3 1761 06706767 8

Digitized by the Internet Archive
in 2007 with funding from
Microsoft Corporation

http://www.archive.org/details/catalogueofhemip00vanduoft

SEMICENTENNIAL PUBLICATIONS

OF THE

UNIVERSITY OF CALIFORNIA

1868-1918

UNIVERSITY OF CALIFORNIA PUBLICATIONS

IN

ENTOMOLOGY

CHARLES W. WOODWORTH

EDITOR

VOLUME 2

V.

UNIVERSITY OF CALIFORNIA PUBLICATIONS
TECHNICAL BULLETINS
COLLEGE OF AGRICULTURE, AGRICULTURAL EXPERIMENT STATION
ENTOMOLOGY
Vol. 2, pp. i-xiv, 1-902 November 30, 1917

CATALOGUE OF THE HEMIPTERA OF AMERICA NORTH OF MEXICO

EXCEPTING THE

APHIDIDAE, COCCIDAE AND ALEURODIDAE

BY

EDWARD P. VAN DUZEE

167919.
12.12.2

UNIVERSITY OF CALIFORNIA PRESS
BERKELEY
1917

TO THE MEMORY OF THE LATE

PHILIP REESE UHLER

IN SINCERE APPRECIATION OF HIS UNREMITTING AND DISINTERESTED LABOR IN ELUCIDATING AND PLACING ON A FIRMER FOUNDATION THE STUDY OF NORTH AMERICAN HEMIPTEROLOGY AND OF HIS UNFAILING KINDNESS AND READY ASSISTANCE EXTENDED TO THE AUTHOR DURING THE EARLY YEARS OF HIS STUDIES OF THESE INSECTS, THIS WORK IS MOST RESPECTFULLY DEDICATED.

CONTENTS

	PAGE
Introductory	ix
Catalogue	1
Additions and corrections	813
List of works cited	828
Index to genera and higher group names	843
Index to species	858

INTRODUCTORY

The present catalogue undertakes to give a complete enumeration of all the described Hemiptera, to and including the Chermidae, recorded from or known to occur in America north of the southern boundary of the United States. The families Aphididae, Coccidae and Aleurodidae have been omitted, largely because of the fact that I have made no careful study of these groups and feel that others are more competent to work out their synonymy. On account of their different habits and the special methods required in observing, collecting and preserving them, this omission is of little moment to students of the higher families of the Hemiptera.

The first draft of this catalogue was completed more than two years ago and as there was then no prospect of its early publication, a Check List giving the classification, synonymy and dates for all the species was prepared and, through the kindness of Mr. Wm. T. Davis of New York, was published by the New York Entomological Society. The introductory matter given below is largely a repetition of that published in the Check List and the numbering of the species in this catalogue has been made to correspond with that in the Check List to facilitate ready reference from one to the other, the species added since the publication of that list having been interpolated in fractional form. A summary of the rules used by me in working out the nomenclature of the catalogue was published in March, 1916, in the Annals of the Entomological Society of America and need not be repeated here.

While perhaps less philosophical, it has seemed best to begin this catalogue with the higher forms so as to bring it more into line with such recent works as the Oshanin, Kirkaldy, and Lethierry and Severin catalogues. For the Heteroptera the Reuter classification of 1912 has been followed very closely, but it has seemed desirable to reduce a number of his families to subfamily rank. Unfortunately the Homoptera have not been worked out with equal thoroughness, but Hansen's studies seem to show conclusively that the Fulgoridae, which I prefer for the present to retain as a single family, are the highest and most specialized of the Homoptera. In this respect also the Cicadidae appear to approach the Fulgoridae, but their develop-

ment has been along a different line. It might be more logical to consider the Membracidae as a mere subfamily of the Jassidae, and they are retained here as a separate family more out of deference to common usage. A critical study of the whole of the Homoptera may result in dividing the Fulgoridae into two or possibly three distinct families and in leaving the Membracidae and perhaps the Bythoscopidae, Cicadellidae and Jassidae as distinct families under a superfamily Cicadelloidea. Kirkaldy divides his Fulgoroidea into eight distinct families, but gives no characters from which we can judge of the value of his scheme and his divisions certainly are of unequal value. Kirkaldy also claims that the Gyponini have very little to do with the Cicadellini but he fails to give his reasons, merely rejecting the position of the ocelli as a character of any real importance. But this character certainly has more value than the horizontal extension of the head and I propose to retain my classification of 1892 until some reason is advanced for rejecting it, merely changing the value of the several groups. I might add that the division Dorydiaria is sufficiently distinguished by the venation, although the flattening of the head is characteristic, and that the Bythoscopinae in their larval and other characters are allied to the Membracidae and serve to connect them with the Jassidae.

In selecting the references to be included in this catalogue it has been my object to take such as will show the history and standing, not only of each species and genus but also of the higher groups. Here for the first time the history and synonymy of the group names higher than the genus have been worked out with as great care and accuracy as in the case of the genera and species. If this effort will help in any measure to stabilize family nomenclature, it will well repay the time and space required. I have rejected as illogical and contrary to the accepted rules of zoological nomenclature Kirkaldy's system of founding the family name on the oldest genus-name included and have adopted Dr. Horvath's system by which we give priority to family names the same as we do to the names of genera and species; and, what is really the foundation of the system, we give to each family a type genus and the family name follows that of the type genus through all its subsequent changes. For example the family Gelastocoridae was founded as Galgulidae with Gaugulus as type genus. When it was found that the name Galgulus was preoccupied and the genus was renamed Gelastocoris the family name automatically became Gelastocoridae, instead of taking the next oldest

name, Mononychidae, which would have changed the type of the family to Mononyx. Logically, we have no more right to change the type of a family than of a genus or a species.

Every one who has given the matter any study will agree that most changes in generic names come from one of two causes; changes in the accepted dates of the books in which they were published and diversity of method in the selection of geno-types. In the matter of dates I have accepted no changes unless I could feel satisfied that they were justified. There will be no uniformity in this matter until there is an official bibliography with all dates validated by an international committee, a consummation that I fear is still far in the future. Regarding geno-types I have followed the International Rules as closely as I could interpret them. As a basis I have accepted the type fixations in five of the earlier works in all cases where but one type was named. Where two or more were named I have rejected them all and accepted the next valid single fixation. The five works referred to are: Lamarck, Systême des animaux sans vertèbres, 1801; Fabricius, Systema Rhyngotorum, 1803; Latreille, Considérations générales sur l'ordre naturel des animaux, 1810; Laporte, Essai d'une classification systématique de l'ordre des Hémiptères, 1832; and Westwood, Introduction to the modern classification of insects: Synopsis, at end of vol. 2, 1840. These type-fixations have, I think, been accepted by Dr. Reuter and other European Hemipterists and probably are open to as few objections as any cases where the type species is not named in so many words in connection with each individual genus. All these writers, with the possible exception of Fabricius, stated that they were naming types for the genera and we have Fallén for authority that he was doing so. Kirkaldy claims that Fabricius indicated types for his genera in the Entomologica Systematica in the same way that he did in his Systema Rhyngotorum, but he really made such a designation by repeating generic characters in his specific descriptions in the case of but very few hemipterous genera, and then without italics, and in his later work he omitted some of these and changed others; hence there seems to be no valid reason why we should accept these earlier ones as type-fixations.

I have here accepted the classification of geno-types devised by Mr. O. F. Cook and published in May, 1914, in the American Naturalist. These terms are:

Orthotype, a type by original designation.

Haplotype, a type by single reference (only species).

Logotype, a type by subsequent designation.

Pseudotype, an erroneous type designation.

In the terminology I have uniformly used the endings *idae* for families, *inae* for subfamilies, *ini* for tribes and *aria* for divisions or subtribes, thus changing the terminations of divisions where they had been used as tribes by Reuter and others. All genera have been considered as *nomina nuda* until a type can be fixed, thus invalidating all genera founded without the mention of a described species. These become valid and date from the naming of an included species that is recognizable and available as type. On the contrary a genus published in a systematic work, without a description but with distinct indication that it was established for a previously described valid species, has been accepted. This, however, does not include mere catalogue names unless they are given to replace a preoccupied name. The changes from either of these causes are very few in the North American Hemiptera. The most important are the use of Tibicen for Cicada of Stål and most recent writers, Meadorus Mulsant and Rey for Elasmucha Stål and Corecoris Hahn for Spartocera Laporte. The new genera established in the first part of Fieber's Die europäischen Hemiptera published in 1860 are *nomina nuda* there and are not recognized until they appear in the later pages with the mention of a species. Amyot's monomials, validated later by Kolenati, have been credited to the latter author and date from the publication of his descriptions.

I might add that priority, whether in the name of a species, genus or of a higher group, has been strictly followed throughout this catalogue so far as such priority was susceptible of proof.

No attempt has been made to include every published reference to each species, but I have tried not to omit one giving a useful description or figure or one that is of interest in extending the geographical range of the species. All references effecting the synonymy and history of the species, genus or family have been included. Our knowledge of the distribution of our species is still too fragmentary to allow the satisfactory naming of a "habitat" so I have contented myself with recording, by states only, the known or published localities of capture.

It has been my endeavor within each genus to arrange the species systematically so as to show their relationships. But in the genus Arctocorixa this was impossible and in certain other genera it has been but imperfectly accomplished.

As one important object of this catalogue is to show the history of each name, all references have been arranged strictly in chronological order and, in the case of species, the genus in which it was placed by each author is given if it differs from the one here adopted. In the case of names higher than genera, the original form used has been appended to each reference if it differs from that here employed, and the category is also given where different.

Preoccupied names are marked by a ||.

Names cited in error by a †.

Emendations by a ‡.

Clerical errors by a §.

Nomina nuda by a ¶.

The following names are proposed for the first time in this catalogue:

Fitchiella for Naso Fitch.

Empoa querci var. **gillettei** for var. bifasciata (G. & B.)

Since the publication of the Check List in June, 1916, 263 species have been added to our North American list, of which sixteen, mostly Chermidae, are forms overlooked in the preparation of that list, and of the remaining 247 a few are exotic forms recently recognized from our territory, the balance being apparently valid new species. Ten of the species included in the Check List have since been sunk as synonymous of others, leaving a net gain of 253 species and making the total number listed in this catalogue, 3198 accepted species.

It will be noted that the original form of each name has been used here, except where a typographical error is evident. This has not been done with the idea of imposing upon our students the use of improperly formed words. In each case all published emendations have been given and each student is at liberty to use such emendations as in his judgment may seem best.

The table of additions and corrections was made up from the last proof sent me from the printers and it is quite possible that a few of the corrections included will be found to have been made on the final sheets.

An adequate recognition of the assistance received during the preparation of this catalogue would embrace a wide circle of friends and correspondents who have kindly sent me suggestions and corrections. These have contributed much toward the accuracy and value of the work and to them I wish to extend my sincere thanks. Special acknowledgments are due to Professor C. W. Woodworth

of the University of California, to Dr. Barton W. Evermann, Director of the California Academy of Sciences, whose kind consideration has greatly lightened the labor of the final preparation and printing of this work, and to Dr. E. Bergroth of Turtola, Finland, for most valuable synonymical and bibliographical information.

EDWARD P. VAN DUZEE.

SAN FRANCISCO, CALIFORNIA,
October 12, 1917.

Order *HEMIPTERA* Linn.

Linnaeus, Syst. Naturae, Edn. 10, i, p. 434, 1758.
Geoffroy, Hist. Abreg. des Ins., i. p. 410, 1762.
Forster, Novae Spec. Ins., Cent. I, p. 67, 1771.
Goeze, Ent. Beyt., ii, p. 1, 1778.
Olivier, Encyc. Meth. Hist. Nat., iv, p. 24, 1789.
Thunberg, Charac. Gen. Ins., Edn. 2, p. 31, 1791.
Lamarck, Syst. des Anim. s. Vert., p. 289, 1801.
Latreille, Hist. Nat. Crust. Ins., iii, p. 240, 1802.
Latreille, Genera Crust. Ins., iii, p. 108, 1807.
Latreille, Consid. Génl., p. 250, 1810.
Latreille, Fam. Nat. Règne Anim., p. 416, 1825.
Fallén, Hemip. Suec., Cimic., preface, 1829.
Latreille, *in* Cuvier, Règne Anim., Edn. 2, v, p. 189, 1829.
Brullé, Hist. Nat. des Ins., ix, p. 233, 1835.
Spinola, Essai sur les Hémip., p. 7, 1837 (1840).
Amyot and Serville, Hémip., p. 1, 1843.
Proboscidea Scopoli, Ent. Carn., p. 112, 1763.
Ryngota Fabricius, Syst. Ent., p. 673, 1775.
Fabricius Ent. Syst., iv, p. 1, 1794.
‡*Rhyngota* Fabricius, Syst. Rhyng., p. iii, 1803.
‡*Rhynchota* Burmeister, Handb. d. Ent., ii, p. 45, 1835.
Arthroidignatha Spinola, Tavola Sinot, p. 25, 1850.

SECTION *HEMELYTRATA* Fall.

Fallén, Hemip. Suec., Cimic., preface, 1829.

Suborder *HETEROPTERA* Latr.

Latreille, Consid. Génl., p. 250, 1810.
Latreille, Fam. Nat. Règne Anim., p. 418, 1825.
Fallén, Hemip. Suec., Cimic., preface, 1829.
Brullé, Hist. Nat. des Ins., ix, p. 239, 1835.
Spinola, Essai s. les Hémip., p. 7, 1837 (1840).
Westwood, Intr. Mod. Classif. Ins., ii, p. 450, 1840.
Amyot and Serville, Hémip., p. 11, 1843.
Dermaptera Retzius, Gen. et Spec. Ins., p. v, 1783.
Hemiptera Leach, Brewster's Edinbg. Encyc., ix, p. , 1815.
Mac Leay, Horae Ent., ii, p. 367, 1821.
Mac Leay, Trans. Linn. Soc. Lond., xiv, p. 67, 1825.
Stephens, Illust. Brit. Ent., i, p. 2, 1828.
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 710, 1832.
Laporte, Essai Classif. Syst. Hemip., p. 1, 1832.
Handlirsch, Die Fossil Ins., p. , 1908.
Brues & Melander, Key Fam. N. Am. Ins., p. 76, 1915.

SERIES *POLYNEURIA* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 78, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 38, 49, 1912.
Oshanin, Kat. Palae. Hemip., p. 1, 1912.

Superfamily SCUTELLEROIDEA (Burm.)

Burmeister, Handb. d. Ent., ii, p. 343, 1835, *Scutati.*
Dohrn, Cat. Hemip., p. 1, 1859, *Scutata.*
Flor, Rhyng. Livl., i, p. 63, 1860, *Scutata.*
Scutelleriens Brullé, Hist. Nat. des Ins., ix, p. 389, 1835.
Westwood, Hope Cat., i, p. 3, 1837, *Scutelleridae.* [*Scutelleridae.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 484; Synop., p. 123, 1840,
Blanchard, Hist. des Ins., Hémip., p. 141, 1840, *Scutelleriens.*
Longiscutes Amyot and Serville, Hémip., p. xv, 1843.
Gorski, Anal. Ent., i, p. 21, 1852.
Pentatomida Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 31, 1872. (Family.)
Uhler, Check List, p. 3, 1886, Superfam. *Pentatomoideae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 5, 1886, Fam. *Pentatomides.*
Lethierry and Severin, Cat. Génl. Hémip., i, p. 1, 1893, Fam. *Penta-*
[*tomidae.*
Hüeber, Cat. Ins. Fauna Germ., Heter., p. 5, 1902, Fam. *Pentatomides.*
Distant, Fauna Brit. Ind., Rhyn., i, p. 1, 1902, Fam. *Pentatomidae.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 3, 1904, Fam. *Pentatomidae.*
Bergroth, Mém. Soc. Ent. Belg., xv, p. 132, 1908, Fam. *Pentatomoidae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 79, 1910, Superfam.
[*Pentatomoideae.*
Reuter, Of. Vet. Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912, Superfam.
[*Pentatomoideae.*
Zimmer, Univ. Neb. Studies, xi, p. 2, 1912, Fam. *Pentatomidae.*
Van Duzee, Check List Hemip., p. 1, 1916, *Pentatomoidea.*
Cimicidae Kirkaldy, Can. Ent., xl, p. 359, 1908.
Kirkaldy, Cat. Hemip., i, p. 1, 1909 (omits *Cydnidae.*) [series.)
Peltocephala Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 78, 1910 (as

PHALANX *PENTATOMIFORMES* Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912.

Family SCUTELLERIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. —, 1815, *Scutellerida.*
Laporte, Essai Classif. Syst. Hémip., p. 66, 1832, *Scutellerites* (in part).
Leach, Brewster's Edinbg. Encyc., Am. Ed., viii, p. 710, 1832, *Scutellerida.*
Costa, Cimic. Reg. Neap., Cent. i, p. 55, 1838, *Scutellerini.*
Germar, Zeit. f. Ent., i, p. 4, 1839, *Scutellerites.* (Monograph.)
Spinola, Essai sur les Hémip., p. 357, 1840, *Scutelleroides.*
Blanchard, Hist. des Ins., Hémip., p. 155, 1840, *Scutellerites.*
Westwood, Intr. Mod. Classif. Ins., ii, Synop. p. 124, 1840, Subfam. *Scutelleridae.*
Spinola, Tavola Sinot., p. 28, 1850, Subfam. *Scutelleroideae.* (Keys.)
Dohrn, Cat. Hemip., p. 1, 1859, *Scutelleroides.*
Vollenhoven, Essai Faune Ent. Ind. Neer., i, p. 3, 1863, *Scutellerides.*
Stål, Hemip. Afr., i. p. 33, 1864, Subfam. *Scutellerida.*

Stål, Hemip. Fabr., i, p. 9, 1868, Subfam. *Scutellerida.* [(Key.)
Mayr, Reise Freg. Novara, Zool. ii, Hemip. p. 11, 1868, Subfam. *Scutellerida.*
Stål, Enum. Hemip., i, p. 4, 1870, Subfam. *Scutellerina.* (Systematic.)
Stål, Of. Vet. Akad. Forh., xxvii, p. 615, 1870, Subfam. *Scutellerina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 31, 1872, Subfam. *Scutellerina.*
Uhler, Stand. Nat. Hist., ii, p. 293, 1884.
Uhler, Check List, p. 1, 1886.
Puton, Cat. Hémip. Palae., Edn. 3, p. 5, 1886. [(Catalogue.)
Lethierry and Severin, Cat. Génl. Hémip., i, p. 15, 1893, Subfam. *Scutelleridae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 38, 1902, Subfam. *Scutellerinae.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 11, 1904. (Systematic.)
Schouteden, Genera Ins., Fasc. 24, p. 1, 1904. (Systematic.)
Oshanin, Verz. Palae. Hemip., i, p. 27, 1906, Subfam. *Scutellerina.*
Bergroth, Mém. Soc. Ent. Belg., xv, p. 139, 1908, Subfam. *Scutellerinae.*
Kirkaldy, Cat. Hemip., i, p. 262, 1909, Subfam. *Scutellerinae.* (Catalogue.)
Banks, Cat. Nearc. Hemip., p. 96, 1910. (Catalogue.)
Oshanin, Kat. Palae. Hemip., p. 4, 1912, Subfam. *Scutellerinae.* [(Keys.)
Zimmer, Univ. Neb. Studies, xi, pp. 220, 239, 1912, Subfam. *Scutellerinae.*
Tetyrae Fieber, Europ. Hemip., p. 27, 1861.
Stål, Of. Vet. Akad. Forh., xxiv, p. 491, 1867, *Tetyridae.* (Keys.)
Pachycoridae Uhler, Proc. Am. Ent. Soc., ii, p. 158, 1863.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 393, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 272, 1876.

Subfamily TETYRINAE (Stål)

Stål, Enum. Hemip., iii, pp. 3, 24, 1873, Div. *Tetyraria.*
Distant, Fauna Br. Ind., Rhyn., i, p. 65, 1902, Div. *Tetyraria.*
Schouteden, Genera Ins., Fasc. 24, pp. 4, 42, 1904, Tribe *Tetyraria,*
Kirkaldy, Cat. Hemip., i, p. 275, 1909, Tribe *Tetyrini.*
Zimmer, Univ. Neb. Studies, xi, p. 239, 1912, Tribe *Tetyrini.*

Genus **Tetyra** Fabr.
Orthotype *antillarum* Kirk.

Fabricius, Syst. Rhyng., p. 128, 1803.
Wolff, Icon. Cimic., v. p. vii, 1811.
Stål, Of. Vet. Akad. Forh., xxiv, p. 492, 1867.
Stål, Enum. Hemip., i, p. 4, 1870. (Systematic.)
Distant, Biol. Centr. Am., Heter., i, p. 13, 1880.
Schouteden, Genera Ins., Fasc. 24, pp. 44, 47, 1904. (Description.)
Macraulax Dallas, List of Hemip., i, pp. 5, 36, 1851. (Haplotype *bipunc-*
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 41, 1889. [*tata* H.S.)

1. **Tetyra antillarum** Kirk.

Kirkaldy, Cat. Hemip., i, p. 284, 1909. (n.n. for *arcuata* Fabr.)
‖*arcuata* (Fabricius), Ent. Syst., iv, p. 83, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 134, 1803.
Burmeister, Handb. d. Ent., ii, p. 393, 1835, *Pachycoris.*
Germar, Zeit. f. Ent., i, p. 92, 1839, *Pachycoris.*
Schjodte, Kroy. Nat. Tidskr., iv, p. 292, 1842, *Pachycoris.*
Walker, Cat. Heter., i, p. 48, 1867, *Pachycoris.*
Stål, Hemip. Fabr., i, p. 13, 1868.
Stål, Enum. Hemip., i, p. 4, 1870.

Distant, Biol. Centr. Am., Heter., i, p. 13, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 11, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 47, 1904.
Localities: Fla. (West Indies, Mexico.)

2. **Tetyra robusta** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 383, 1897.
Localities: Ariz. (Mexico.)

3. **Tetyra bipunctata** (H.S.)

Herrich-Schaeffer, Wanz. Ins., iv, p. 87, fig. 420, 1839, *Pachycoris.*
Dallas, List of Hemip., i, p. 36, pl. 1, fig. 4, 1851, *Macraulax.*
Stål, Enum. Hemip., i, p. 4, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 13, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 11, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 47, 1904.
Bueno and Brimley, Ent. News, xviii, p. 441, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 48, 1912.
tristis (Uhler), Proc. Ent. Soc. Phila., i, p. 21, 1861, *Macraulax.*
Localities: N. Y., N. J., Md., D. C., N. C., Texas. (Mexico.)

Genus **Pachycoris** Burm.
Logotype *torridus* Scop.

Burmeister, Handb. d. Ent., ii, p. 391, 1835.
Hahn, Wanz. Ins., iii, p. 26, 1835.
Germar, Zeit. f. Ent., i, p. 80, 1839.
Blanchard, Hist. des Ins., Hémip., p. 155, 1840.
Amyot and Serville, Hémip., p. 37, 1843.
Spinola, Tavola Sinot, p. 29, 1850.
Stål, Of. Vet. Akad. Forh., xxiv, p. 492, 1867.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., pp. 16, 25, 1868.
Stål, Enum. Hemip., i, pp. 4, 5, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 14, 1880.
Schouteden, Genera Ins., Fasc. 24, p. 48, 1904. (Names *torridus* Scop. type.)

4. **Pachycoris torridus** (Scop.)

Scopoli, Annus V, Hist. Nat., p. 110, 1772, *Cimex.*
Gmelin, *in* Linnaeus Syst. Nat., Edn. 13, i, pt. 4, p. 2134, 1788, *Cimex.*
Stål, Enum. Hemip., i, p. 5, 1870 (var. a. and c.).
Berg, Hemip. Argent., p. 25, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 14, pl. 1, fig. 1, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 12, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
Breddin, Wien. Ent. Zeit., xxv, p. 190, fig. 3, 1906.
†*fabricii* (Tigny), Hist. d'Ins., Edn. 2, iv, p. 290, fig. 6, 1813, *Pentatoma.*
Burmeister, Handb. d. Ent., ii, p. 392, 1835.
Hahn, Wanz. Ins., iii, p. 27, fig. 249, 1835.
Germar, Zeit. f. Ent., i, p. 84, 1839.
Blanchard, Hist. d'Ins., iv, p. 155, 1840.
Amyot and Serville, Hémip., p. 38, 1843.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 273, 1876.

a. var. **aquila** H.S.
Herrich-Schaeffer, Wanz. Ins., v, p. 7, fig. 463, 1839.
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
vars. *i* and *k*, Stål, Enum. Hemip., i, p. 6, 1870.
var. *i*, Distant, Biol. Centr. Am., Heter., i, p. 16, pl. 1, fig. 7, 1880.

b. var. **decoratus** (Perty).
Perty, Del. Anim., p. 164, pl. 33, fig. 1, 1830, *Scutellera.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 25, 1866.
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
†*klugii* Herrich-Schaeffer, Wanz. Ins., iv, p. 5, fig. 347, 1839 (part).
aeneievntris (Vollenhoven), Fauna Ent. Neerl., i, p. 7, pl. 1, fig. 3, 1863,
var. *f*, *g*, *h*, Stål, Enum. Hemip., i, p. 6, 1870. [*Poecilocoris.*
Distant, Biol. Centr. Am., Heter., i, p. 15, pl. 1, figs. 5, 6, 1880.

c. var. **klugii** Burm.
Burmeister, Handb. d. Ent., ii, p. 392, 1835.
Germar, Zeit. f. Ent., i, p. 85, 1839.
Amyot and Serville, Hémip., p. 38, 1843.
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
Breddin, Wien. Ent. Zeit., xxv, p. 189, fig. 2, 1906.
var. *e*, Stål, Enum. Hemip., i, p. 6, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 15, pl. 1, fig. 4, 1880.

d. var. **linnaei** Westw.
Westwood, Hope Cat., i, p. 12, 1837.
Schouteden, Genera Inst., Fasc. 24, p. 49, 1904.
var. *a*, Stål, Enum. Hemip., i, p. 5, 1870 (part).
stallii Uhler, Proc. Am. Ent. Soc., ii, p. 159, 1863.

e. var. **schaefferi** Schout.
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
†*Klugi* Herrich-Schaeffer, Wanz. Ins., iv, p. 5, fig. 348, 1839 (part).
var. *d*, Stål, Enum. Hemip., i, p. 6, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 15, pl. 1, figs. 2, 3, 1880.

f. var. **schousboei** (Fabr.).
Fabricius, Syst. Rhyng., p. 132, 1803, *Tetyra.*
Burmeister, Handb. d. Ent., ii, p. 392, 1835.
Germar, Zeit. f. Ent., i, p. 83, 1839.
Schjodti, *in* Kroyer, Nat. Tidskr., iv, p. 288, 1842, *Tetyra.*
Schouteden, Genera Ins., Fasc. 24, p. 49, 1904.
†*fabricii* Herrich-Schaeffer, Wans. Ins., iv, p. 6, fig. 349, 1839.
var. *b*, Stål, Enum. Hemip., i, p. 5, 1870.
Localities: Calif. (Neotropical.)

Genus **Chelysoma** Bergr.
Logotype *variabilis* (H.S.)

Bergroth, Rev. d'Ent., x, p. 235, 1891. (n.n. for *Orsilochus* Stål.)
Schouteden, Genera Ins., Fasc. 24, p. 52, 1904. (Names *variabilis* type.)
Kirkaldy, Cat. Hemip., i, p. 283, 1909. (Names *variabilis* type.)
‖*Orsilochus* Stål, Of. Vet. Akad. Forh., xxiv, p. 493, 1867.
Stål, Enum. Hemip., i, p. 9, 1870. (Systematic.)
Distant, Biol. Centr. Am., Heter., i, p. 16, 1880.

5. **Chelysoma guttatum** (H.S.)

Herrich–Schaeffer, Wanz. Ins., iv, p. 4, fig. 345, 1839, *Pachycoris*.
Germar, Zeit. f. Ent., i, p. 96, 1839, *Pachycoris*. (Description.)
Stål, Enum. Hemip., i, p. 9, 1870, *Orsilochus*.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 12, 1904, *Orsiolchus*.
Schouteden, Genera Ins., Fasc. 24, p. 52, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.
Bueno and Engelhardt, Can. Ent., xlii, p. 149, 1910.
Localities: N. C., S. C., Ga., Fla.

Genus **Camirus** Stål
Logotype *conicus* Germ.

Stål, Rio Jan. Hemip., ii, p. 57, 1862.
Distant, Biol. Centr. Am., Heter., i, p. 24, 1880, [pseudotype.)
Schouteden, Genera Ins., Fasc. 24, pp. 43, 55, 1904. (Names *porosus* Germ.
‖*Zophoëssa* Dallas, List of Hemip., i, p. 43, 1851. (Haplotype *porosus*
Stål, Stet. Ent. Zeit., xxiii, p. 83, 1862. [Germ.)
Stål, Of. Vet. Akad. Forh., xxiv, p. 491, 1867.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 15, 1868.

6. **Camirus porosus** (Germ.)

Germar, Zeit. f. Ent., i, p. 108, 1839, *Pachycoris*.
Dallas, List of Hemip., i, p. 43, 1851, *Zophoëssa*.
Stål, Enum. Hemip., i, pp. 17, 1870, *Zophoëssa*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 274, 1876, *Zophoëssa*.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 16, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 55, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.
pullatus Distant, Biol. Centr. Am., Heter., i, p. 316, pl. 30, fig. 9, 1889.
Localities: Fla., Texas, Calif. (Nearctic.)

7. **Camirus consocius** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 274, 1876, *Zophoëssa*.
Schouteden, Genera Ins., Fasc. 24, p. 55, 1904.
Barber, Brookl. Inst., Sci. Bul., i, p. 256, 1906.
Localities: Texas, Ariz., Calif.

Genus **Acantholoma** Stål
Haplotype *denticulata* Stål

Stål, Of. Vet. Akad. Forh., xxiv, p. 491, 1867 (invalid here).
Stål, Enum. Hemip., i, p. 17, 1870 (valid here).
Schouteden, Genera Ins., Fasc. 24, pp. 43, 55, 1904.

8. **Acantholoma denticulata** Stål

Stål, Enum. Hemip., i, p. 17, 1870.
Van Duzee, Trans. Am. Ent. Soc., xxx, pp. 16, 77, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 56, pl. 4, fig. 2, 1904.
Localities: Ind., Ill., Kan.

Genus **Diolcus** Mayr.
Logotype *irroratus* (Fabr.)

Mayr, Verh. Zool.-Bot. Ges. Wien, xiv, p. 904, 1864.
Stål, Of. Vet. Akad. Forh., xxiv, p. 493, 1867.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 26, 1868. [type.)
Schouteden, Genera Ins., Fasc. 24, pp. 44, 56, 1904. (Names *irroratus* Fabr.

9. **Diolcus irroratus** (Fabr.)

Fabricius, Syst. Ent., p. 699, 1775, *Cimex.*
Fabricius, Ent. Syst., iv, p. 88, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 136, 1803, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 99, 1839, *Pachycoris.*
Herrich–Schaeffer, Wanz. Ins., v, p. 55, fig. 500, 1839, *Pachycoris.*
Schjodte, *in* Kroyer, Nat. Tidskr., iv, p. 297, 1842, *Pachycoris.*
Guerin, *in* Sagra, Hist. de l'Isl. de Cuba, Ins., p. 362, 1857, *Scutellera.*
Dallas, List of Hemip., i, p. 37, 1851, *Symphylus.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xiv, p. 905, 1864.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 29, 1868.
Stål, Enum. Hemip., i, p. 10, 1870.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 12, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 57, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 6. 1907.

nebulosa (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 32, pl. Hémip. 5, fig. [4, 1805, *Scutellera.*
Germar, Zeit. f. Ent., i, p. 100, 1839, *Pachycoris.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xiv, p. 905, 1864.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 29, 1868.

hebraica (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 81, pl. Hémip. 7, fig. [1, 1805, *Scutellera.*
Germar, Zeit. f. Ent., i, p. 100, 1839, *Pachycoris.*

cordigera (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 234, pl. Hémip. 5b, [fig. 7, 1805, *Scutellera.*
Mayr, Verh. Zool.-Bot., Ges. Wien, xiv, p. 905, 1864.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 29, 1868.

flavescens (Westwood), Hope Cat., i, p. 12, 1837, *Pachycoris.*
Germar, Zeit. f. Ent., i, p. 100, 1839, *Pachycoris.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xiv, p. 905, 1864.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 29, 1868.
Localities: Fla. (West Indies.)

10. **Diolcus chrysorrhoeus** (Fabr.)

Fabricius, Syst. Rhyng., p. 138, 1803, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 95, 1839, *Pachycoris.*
Herrich–Schaeffer, Wanz. Ins., v. p. 6, fig. 460, 1839, *Pachycoris.*
Uhler, *in* Say's Compl. Works, i, p. 310, 1859, *Pachycoris.*
Walker, Cat. Heter., i, p. 46, 1867, *Pachycoris.*
Stål, Enum. Hemip., i, p. 11, 1870.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 12, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 57, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.

viridipunctata (Say), Heter. N. Harm., p. 1, 1831; Fitch reprint, p. 755, [*Scutellera.*
Say, Compl. Writ., i, p. 310, *Scutellera.*
Localities: S. C., Fla., Miss., Texas.

Genus **Stethaulax** Bergr.
Haplotype *marmoratus* (Say)

Bergroth, Revue d'Ent., x, p. 235, 1891. (n.n. for *Aulacostethus* Uhl.)
Schouteden, Genera Ins., Fasc. 24, p. 57, 1904.
Kirkaldy, Cat. Hemip., i, p. 279, 1909.

‖*Aulacostethus* Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 93, 1871; xix, [p. 367, 1878.
Van Duzee, Trans. Am. Ent. Soc., xxx. p. 12, 1904.

11. **Stethaulax marmoratus** (Say)

Say, Heter. N. Harm., p. 2, 1831; Fitch reprint, p. 755; Compl. Writ., i, 310, [*Tetyra.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 94, 1871; xix, p. 368, 1878, *Aulaco-*
Van Duzee, Trans. Am. Ent. Soc., xxx, pp. 12, 76, 1904. [*stethus.*
Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 49, 1912.
simulans (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 272, 1876, *Aulacostethus.*
Van Duzee., Trans. Am. Ent. Soc., xxx, pp. 13, 76, 1904.
Localities: N. Y., N. J., Md., N. C., Ga., Texas, Calif.

Genus **Sphyrocoris** Mayr.

Haplotype, *obliquus* (Germ.)

Mayr, Verh. Zool.-Bot. Ges. Wien, xiv, p. 904, 1864.
Stål, Of. Vet. Akad. Forh., xxiv, p. 495, 1867.
Mayr, Reise Freg. Novara, Zool. ii, Hemip. pp. 16, 26, 1868.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 15, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 58, 1904.

12. **Sphyrocoris obliquus** (Germ.)

Germar, Zeit. f. Ent., i, p. 94, 1839, *Pachycoris.*
Herrich–Schaeffer, Wanz. Ins., v, p. 54, fig. 491, 1839, *Pachycoris.*
Dallas, List Hemip., i, p. 35, 1851, *Pachycoris.*
Stål, Stet. Ent. Zeit., xxiii, p. 81, 1862, *Homaemus.*
Walker, Cat. Heter., i, p. 48, 1867, *Pachycoris.*
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 26, 1868.
Stål, Enum. Hemip., i, p. 15, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 273, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 21, 1880.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 224, 1894.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 44, 1899.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 15, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 59, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 126, 1912.
delineatus (Walker), Cat. Heter., i, p. 48, 1867, *Pachycoris.*
Localities: Fla., Texas, Ariz., Calif. (West Indies, Mexico.)

13. **Sphyrocoris punctellus** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 81, 1862, *Homaemus.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 495, 1867.
Stål, Enum. Hemip., i, p. 15, 1870.
Distant Biol. Centr. Am., Heter., i, p. 21, pl. 2, fig. 5, 1880.
Schouteden, Genera Ins., Fasc., 24, p. 59, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 158, 1907.
Localities: Ariz. (Mexico.)

Genus **Homaemus** Dall.

Logotype *exilis* (H.S.) = *aeneifrons* (Say)

Dallas, List Hemip., i, p. 36, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 494, 1867.
Stål, Enum. Hemip., i, p. 14, 1870. (Systematic.)

Distant, Biol. Centr. Am., Heter., i, p. 19, 1890.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 13, 1904. (Key.)
Schouteden, General Ins., Fasc. 24, pp. 45, 59, 1904. (Names *aeneifrons* Say
Zimmer, Univ. Neb. Studies, xi, p. 239, 1912. [type.)

14. **Homaemus aeneifrons** (Say)

Say, Long's Exp. to St. Peter's River, ii, p. 299, 1824, *Scutellera.*
Say, Compl. Writ., i, p. 199, *Scutellera.*
Stål, Enum. Hemip., i, p. 15, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 393, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 272, 1876; iii, p. 365, 1877; iv, p. 503,
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 368, 1878. [1878.
Distant, Biol. Centr. Am., Heter. i, p. 20, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 21, 1885.
Gillette & Baker, Hemip. Colo., p. 9, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 13, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 59, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 548, 1905.
Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 25, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 239, 1912.
exilis (Herrich–Schaeffer), Wanz. Ins., iv, p. 5, fig. 346, 1839, *Pachycoris.*
Germar, Zeit. f. Ent., i, p. 98, 1839, *Pachycoris.*
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., Va., Wis., Neb., Dak., Colo., N. Mex., Man., Calif., Vanc. Isd.

15. **Homaemus bijugis** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872. (Name only.)
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 393, 1872. (Description.)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 272, 1876; iii, p. 365, 1877.
Van Duzee, Trans. Am. Ent. Soc., xxx, pp. 13, 76, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 60, pl. 5, fig. 1, 1904.
Zimmer, Univ. Neb. Studies, xi, p. 240, 1912.
consors Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 272, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, pp. 14, 76, 1904.
Kirkaldy, Cat. Hemip., i, p. 279, 1909.
Localities: Dak., Ia., Neb., Kan., Colo., Utah, N. Mex., Nev., Ariz., Calif.

16. **Homaemus parvulus** (Germ.)

Germar, Zeit. f. Ent., i, p. 107, 1839, *Pachycoris.*
Herrich–Schaeffer, Wanz. Ins., v, p. 54, fig. 501, 1839, *Pachycoris.*
Dallas, List of Hemip., i, p. 36, 1851.
Kirkaldy, Cat. Hemip., i, p. 279, 1909.
†*grammica* (Wolff), Icon. Cimic., v, p. 172, fig. 166, 1811, *Tetyra.*
Stål, Enum. Hemip., i, p. 14, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 19, 1880.
Gillette & Baker, Hemip. Colo., p. 9, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 14, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 60, 1904.
Bueno and Brimley, Ent. News, xviii, p. 441, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.
Localities: N. C., Fla., Kan., Colo., Texas, Calif.

17. **Homaemus proteus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 82, 1862.
Stål, Enum. Hemip., i, p. 15, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 20, pl. 2, figs. 3, 4, 1880.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 349, 1904.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 15, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 60, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 255, 1906.
Localities: Texas, N. Mex., Ariz., Calif.

18. **Homaemus variegatus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 3, 1914.
Localities: Calif.

Subfamily ODONTOTARSINAE (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 32, 1872, Div. *Odontotarsaria.*
Stål, Enum. Hemip., iii, pp. 4, 26, 1873, Div. *Odontotarsaria.* (Key.)
Distant, Fauna Br. Ind., Rhyn., i, p. 67, 1902, Div. *Odontotarsaria.*
Schouteden, Genera Ins., Fasc. 24, pp. 4, 69, 1904. (Key.)
Oshanin, Verz. Palae. Hemip., i, p. 33, 1906.
Kirkaldy, Cat. Hemip., i, p. 262, 1909, Tribe *Odontotarsini.*
Zimmer, Univ. Neb. Studies, xi, p. 240, 1912, Tribe *Odontotarsini.*

Eurygastraria Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 32, 1872.
Stål, Enum. Hemip., iii, pp. 4, 28, 1873 (as Division; Key).
Distant, Fauna Br. Ind., Rhyn., i, p. 68, 1902 (as Division).
Oshanin, Verz. Palae. Hemip., i, p. 40, 1906 (as Division).
Oshanin, Kat. Palae. Hemip., p. 5, 1912 (as Tribe).

Odontoscelaria Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 33, 1872 (as
Stål, Enum. Hemip., iii, pp. 4, 30, 1873 (as Division) [Division.)
Distant, Fauna Br. Ind., Rhyn., i, p. 70, 1902 (as Division).
Oshanin, Verz. Palae. Hemip., i, p. 29, 1906 (as Division).
Oshanin, Kat. Palae. Hemip., p. 4, 1912 (as Tribe).

Genus **Eurygaster** Lap.
Orthotype *hottentotus* (Fabr.)

Laporte, Essai Classif. Syst. Hémip., pp. 68, 69, 1832.
Spinola, Essai sur les Hémip., p. 365, 1837 (1840).
Amyot and Serville, Hémip., p. 51, 1843.
Kolenati, Melet. Ent., iv, p. 9, 1846.
Spinola, Tavola Sinot., p. 28, 1850.
Dallas, List of Hemip., i, p. 47, 1851.
Flor, Rhyn. Livl., i, p. 84, 1860.
Fieber, Europ. Hemip., pp. 84, 368, 1861.
Stål, Hemip. Afr., i, p. 61, 1864.
Douglas and Scott, Br. Hemip., p. 64, 1865.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 16, 1868.
Stål, Of. Vet. Akad. Forh., xxix, p. 33, 1872.
Stål, Enum. Hemip., iii, p. 29, 1873.
Atkinson, Jl. Asiatic Soc. Bengal, lvi, p. 187, 1887.
Schouteden, Genera Ins., Fasc. 24, pp. 70, 71, 1904.

†*Tetyra* Burmeister, Handb. d. Ent., ii, p. 389, 1835.
Germar, Zeit. f. Ent., i, p. 72, 1839.
Blanchard, Hist. des Ins., Hémip., p. 155, 1840.
Gorski, Anal. Ent., i, p. 38, 1852. [Linn.)
Bellocoris Hahn, Wanz. Ins., ii, p. 42, 1834. (Logotype *Cimex maurus*
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 124, 1840. (Cites [*maurus* as type.)
Kirkaldy, Cat. Hemip., i, p. 270, 1909. (Names *purpureolineatus* Rossi [pseudotype.)

19. **Eurygaster alternatus** (Say)

Say, Am. Ent., iii, pl. 43, 1828; Compl. Writ., i, p. 94, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 74, 1839, *Tetyra.*
Dallas, List of Hemip., i, p. 47, 1851.
Stål, Enum. Hemip., i, p. 18, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 274, 1876.
Uhler *in* Wheeler's Rept. Chief. Eng., for 1877, p. 1322.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 503, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 368, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 23, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 18, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 72, 1904.
Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 240, 1912.
nicoletanensis Provancher, Nat. Can., iv, p. 73, 1872.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Ill., Neb., Dak., Mont., Colo., N. Mex., Utah, Calif., Vanc. Isd.

20. **Eurygaster shoshone** Kirk.

Kirkaldy, Cat. Hemip., i, p. 273, 1909. (n.n. for *carinatus* Van D.)
‖*carinatus* Van Duzee, Trans. Am. Ent. Soc., xxx, p. 18, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 72, 1904.
Banks, Cat. Nearc. Heter., p. 97, 1910.
Localities: Idaho, Utah, Nevada.

Genus **Fokkeria** Schout.
Haplotype *crassa* Schout. = *producta* (Van D.)

Schouteden, Ann. Soc. Ent. Belg., xlviii, p. 301, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 83, 1904.

21. **Fokkeria producta** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 20, 1904, *Odontoscelis.*
Schouteden, Genera Ins., Fasc. 24, p. 84, pl. 5, fig. 1, 1904.
crassa Schouteden, Ann. Soc. Ent. Belg., xlviii, p. 301, 1904.
Localities: Colo.

Genus **Phimodera** Germ.
Logotype *galgulina* H.S.

Germar, Zeit. f. Ent., i, p. 60, 1839.
Amyot and Serville, Hémip., p. 56, 1843.
Gorski, Anal. Ent., i, p. 49, 1852.

Flor, Rhyn. Livl., i, p. 80, 1860.
Fieber, Europ. Hemip., p. 374, 1861.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 19, 1868.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 32, 1872.
Stål, Enum. Hemip., iii, p. 27, 1873.
Schouteden, Genera Ins., Fasc. 24, p. 84, 1904. (Names *galgulina* H.S. type.)
Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 9, 1906. (Monograph.)

22. **Phimodera torrida** Reut.

Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 17, pl. 1, fig. 3; pl. 2, fig. 3, 1906.
Locality: Nevada.

23. **Phimodera torpida** Walk.

Walker, Cat. Heter., i, p. 75, 1867.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 274, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 16, 1904.
Schouteden, Genera Ins., Fasc. 24, p. 85, 1904.
Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 22, pl. 1, fig. 7; pl. 2, fig. 8, 1906.
a. var. **fusco-testacea** Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 23, 1906.
b. var. **obscura** Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 23, 1906.
Localities: Sask., Colo.

24. **Phimodera binotata** (Say)

Say, Long's 2d Exp., ii, p. 298, 1824; Compl. Writ., i, p. 198, *Scutellera.*
Uhler, Check List, p. 2, 1886.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 16, 1904.
Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 42, 1906.
Zimmer, Univ. Neb. Studies, xi, p. 240, 1912.
Localities: Neb., Colo.

Genus **Euptychodera** Bergr.

Haplotype *corrugata* (Van D.)

Bergeroth, Mem. Soc. Ent. Belg., xv, p. 143, 1908. (n.n. for *Ptychodera* Reut.)
‖*Ptychodera* Reut., Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 44, 1906.

25. **Euptychodera corrugata** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 16, 1904, *Phimodera.*
Schouteden, Genera Ins., Fasc. 24, p. 85, 1904, *Phimodera.*
Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 8, p. 45, pl. 1, fig. 20; pl. 2, figs. 20, [21, 1906, *Ptychodera.*
Localities: Colo., Utah.

Genus **Vanduzeeina** Schout.

Orthotype *balli* (Van D.)

Schouteden, Genera Ins., Fasc. 24, p. 85, 1904.

26. **Vanduzeeina balli** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 19, 1904, *Odontoscelis.*
Schouteden, Genera Ins., Fasc. 24, p. 86, 1904.
Localities: Colo., N. Mex., Calif.

Family CYDNIDAE (Billbg.)

Billberg, Enum. Ins., p. 70, 1820, *Cydnides.*
Schioedte, *in* Kroyer, Nat. Tidskr., ii, p. 454, 1849, *Cydnini.*
Spinola, Tavola Sinot., pp. 30, 36, 1850. Subfam. *Cydnoideae.*
Fieber, Europ. Hemip., pp. 27, 361, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 94, 1862, *Cydnida.*
Stål, Of. Vet, Akad. Forh., xxvii, p. 614, 1870, *Cydnina.*
Stål, Enum. Hemip., v, p. 17, 1876, Subfam. *Cydnina.*
Berg, Hemip. Argent., p. 9, 1879, Subfam. *Cydnina.*
Distant, Biol. Centr. Am., Heter., i, p. 1, 1880, *Cydninae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 81, 1902, Subfam. *Cydninae.*
Kirkaldy, Can. Ent., xl, p. 359, 1908.
Horvath, Ann. Mus. Natl. Hung., ix, p. 6, 1911.
Oshanin, Kat. Palae., Hemip., p. 1, 1912.
Thyreocoridae Kirkaldy, Can. Ent., xl, p. 364, 1908.
Kirkaldy, Cat. Hemip., i, p. xxxix, 1909.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A. No. 6, pp. 45, 61, 1912.

Subfamily THYREOCORINAE (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 5, 1907, Family *Thyreo-*
[*coridae.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909, Family *Thyreocoridae.*
Kirkaldy, Cat. Hemip., p. xxxix, 1909, Tribe *Thyreocorini.*
Banks, Cat. Nearc. Hemip., p. 101, 1910, Family *Thyreocoridae.*
Corimelaenidae Uhler, *in* Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872.
Uhler, *in* Hayden's Surv. Terr., Rept. for 1871, p. 392, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 269, 1876; iii, p. 365, 1877;
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 366, 1878. [iv, p. 503, 1878.
Uhler, Check List, p. 2, 1886.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 11, 1893.

Genus Thyreocoris Schr.

Logotype *scarabaeoides* (Linn.)

Schrank, Fauna Boica, p. 46, 1801.
Hahn, Wanz. Ins., ii, p. 46, 1834.
Spinola, Essai sur les Hémip., p. 369, 1840.
Kolenati, Melet. Ent., iv, p. 8, 1846.
Stål, Stet. Ent. Zeit., xxiii, p. 94, 1862.
Stål, Hemip. Fabr., i, p. 8, 1868.
Stål, Enum. Hemip., v, p. 22, 1876.
Berg, Hemip. Argent., p. 16, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 9, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 19, 1885.
Oshanin, Verz. Palae. Hemip., i, p. 6, 1906.
Oshanin, Kat. Palae. Hemip., p. 1, 1912. (Names *scarabaeoides* Linn. type.)
Zimmer, Univ. Neb. Studies, xi, p. 243, 1912.
†*Odontoscelis* Burmeister, Handb. d. Ent., ii, p. 385, 1835.
Germar, Zeit. f. Ent., i, p. 36, 1839.
Herrich–Schaeffer, Wanz. Ins., v, p. 33, 1839.
Blanchard, Hist. des Ins., Hémip., p. 161, 1840.

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 124, 1840. (Names
Spinola, Tavola Sinot., p. 29, 1850 (in part). [*scarabaeoides* pseudotype.)
Gorski, Anal. Ent., i, p. 55, 1852. (Subdiv. II.)
Corimelaena White, Mag. Nat. Hist., n.s. iii, p. 539, 1839. (*Orthotype*
Dallas, List of Hemip., i, p. 56, 1851. [*lateralis* Fabr.)
Dohrn, Cat. Hemip., p. 5, 1859.
Stål, Rio Jan. Hemip., i, p. 8, 1860.
Fieber, Europ. Hemip., p. 364, 1861.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 10, 1868.
Uhler *in* Hayden's Surv. Terr., Rept. for 1871, p. 392, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 269, 1876.
Uhler, Check List, p. 2, 1886.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 11, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 3, 1904. (Key.)
‡*Coreomelas* Amyot and Serville, Hemip., p. 67, 1843.
Flor, Rhyn. Livl., i, p. 149, 1860.
Galgupha Amyot and Serville, Hemip., p. 68, 1843.

27. **Thyreocoris ater** (Am. & Serv.)

Amyot and Serville, Hémip., p. 68, 1843, *Galgupha.*
Stål, Ann. Soc. Ent. Fr., Ser. 4, iv, p. 48, 1864.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 366, 1878, *Corimelaena.*
Uhler, Check List, p. 2, 1886, *Corimelaena.*
Van Duzee, Can. Ent., xxi, p. 2, 1889, *Corimelaena.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 169, 1894.
‖*helopioides* (Wolff), Icon. Cimic., v, p. 174, fig. 168, 1811, *Tetyra.*
†*unicolor* (Germar), Zeit. f. Ent., i, p. 37, 1839, *Odontoscelis.*
Herrich-Schaeffer, Wanz. Ins., v, pp. 12, 34, fig. 470, 1839, *Odontoscelis.*
Dallas, List of Hemip., i, p. 57, 1851, *Corimelaena.*
Stål, Enum. Hemip., v, p. 23, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 20, 1885.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 13, 1893, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 4, 1904, *Corimelaena.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 153, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 138, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 244, 1912.
Localities: Quebec, Ont., Me., Conn., N. Y., N. J., N. C., Tenn., Wisc., Neb., Colo., Texas, Manitoba.
(*?Thyreocoris unicolor* Palisot-Beauvois, p. 33, pl. 5, fig. 5, 1805, *Scutellera.*
["South States."]

28. **Thyreocoris nitiduloides** (Wolff)

Wolff, Icon. Cimic., iii, p. 98, fig. 92, 1902, *Cimex.*
Germar, Zeit. f. Ent., i, p. 37, 1839, *Odontoscelis.*
Herrich-Schaeffer, Wanz. Ins., v, pp. 12, 33, fig. 471, 1839, *Odontoscelis.*
Dallas, List of Hemip., i, p. 56, 1851, *Corimelaena.*
Uhler, in Hayden's Surv. Terr., Rept. for 1871, p. 392, 1872, *Corimelaena.*
Stål, Enum. Hemip., v, p. 23, 1876. [*Corimelaena.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 269, 1876; iv, p. 365, 1877,
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 366, 1878, *Corimelaena.*
Distant, Biol. Centr. Am., Heter., i, p. 10, 1880.
Lethierry & Severin, Cat. Hémip., i, p. 12, 1893, *Corimelaena.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 169, 1894, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 5, 1904, *Corimelaena.*
Zimmer, Univ. Neb. Studies, xi, p. 245, 1912.
histeroides (Say), Hemip. N. Harm., p. 2, 1831; Fitch reprint, p. 756; [Compl. Writ., i, p. 311, *Thyreocoris*
Localities: N. Y., N. J., Pa., N. C., Mo., N. D., Neb., Kan., Colo., Texas.

28½. **Thyreocoris rastratus** (Stål)

Stål, Rio Jan. Hemip., i, p. 8, 1860, *Corimelaena.*
Stål, Stet. Ent. Zeit., xxiii, p. 94, 1862.
Stål, Enum. Hemip., v, p. 23, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 10, pl. 3, fig. 5, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxvii, p. 343, 1901, *Corimelaena.*
Localities: Texas (Barber *in litt.*) (Neotropical.)

29. **Thyreocoris anthracinus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 270, 1876, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 6, 1904, *Corimelaena.*
Zimmer, Univ. Neb. Studies, xi, p. 246, 1912.
Localities: Neb., Colo., N. Mex., Idaho, Calif., Vanc. Isd.

30. **Thyreocoris denudatus** (Uhl.)

Uhler, Proc. Am. Ent. Soc., ii, p. 157, 1863, *Corimelaena.*
Localities: La.

31. **Thyreocoris niger** (Dall.)

Dallas, List of Hemip., i, p. 57, 1851, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 6, 1904, *Corimelaena.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906; pt. 2, p. 158, 1907;
Zimmer, Univ. Neb. Studies, xi, p. 245, 1912. [*Corimelaena.*
Localities: Ont., Kan., Neb., Colo., Ariz.

32. **Thyreocoris ciliatus** (Uhl.)

Uhler, Proc. Am. Ent. Soc., ii, p. 156, 1863, *Corimelaena.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 270, 1876, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 6, 1904, *Corimelaena.*
Zimmer, Univ. Neb. Studies, xi, p. 246, 1912.
Localities: Fla., Neb., Kan., Colo., Utah, Ariz., Calif., Oregon.

33. **Thyreocoris coerulescens** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 94, 1862.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 270, 1876, *Corimelaena.*
Distant, Biol. Centr. Am., Heter., i, p. 10, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 7, 1904, *Corimelaena.*
cyanea (Uhler), Proc. Am. Ent. Soc., ii, p. 157, 1863, *Corimelaena.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 270, 1876, *Corimelaena.*
cyaneonigra (Walker), Cat. Heter., i, p. 78, 1867, *Corimelaena.*
Localities: Colo., Ariz., Calif. (Mexico.)

34. **Thyreocoris lateralis** (Fabr.)

Fabricius, Syst. Rhyng., p. 142, 1803, *Tetyra.*
Wolff, Icon. Cimic., v, p. 175, fig. 169, 1811, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 39, 1839, *Odontoscelis.*

Herrich–Schaeffer, Wanz. Ins., v, pp. 13, 34, fig. 473, 1839, *Odontoscelis.*
White, Mag. Nat. Hist., n.s. iii, p. 439, 1839, *Corimelaena.*
Stål, Enum. Hemip., v, p. 23, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 271, 1876, *Corimelaena.*
Distant, Biol. Centr. Am., Heter., i, p. 11, 1880.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 225, 1894, *Corimelaena.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 154, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 138, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 246, 1912.
gilletti (Van Duzee), Trans. Am. Ent. Soc., xxx, p. 8, 1904, *Corimelaena.*
Bueno & Brimley, Ent. News, xviii, p. 441, 1907, *Corimelaena.*
Bergroth, Mém. Soc. Ent. Belg., xv, p. 139, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 138, 1910.
Localities: Mass., R. I., N. Y., Pa., N. J., Md., D. C., N. C., Fla., Ohio, Mich., Ill., Neb., Kan., Okl., Texas. (Mexico.)

35. **Thyreocoris montanus** Van D.

Van Duzee, Ent. News, xx, p. 231, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 247, 1912.
†*lateralis* (Van Duzee), Trans. Am. Ent. Soc., xxx, p. 7, 1904, *Corimelaena.*
Localities: Neb., Colo., Utah, Wy., Calif., Wash.

36. **Thyreocoris extensus** (Uhl.)

Uhler, Proc. Am. Ent. Soc., ii, p. 155, 1863, *Corimelaena.*
Uhler, *in* Hayden's Surv. Terr., Rept. for 1871, p. 393, 1872, *Corimelaena.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 271, 1876, *Corimelaena.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 225, 1894, *Corimelaena.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 350, 1904, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 9, 1904, *Corimelaena.*
Localities: Dak., Colo., Utah, N. Mex., Ariz., Calif., Oregon.

37. **Thyreocoris pulicarius** (Germ.)

Germar, Zeit. f. Ent., i, p. 39, 1839, *Odontoscelis.*
Herrich–Schaeffer, Wanz. Ins., v, p. 34, 1839, *Odontoscelis.*
Dallas, List of Hemip., i, p. 59, 1851, *Corimelaena.*
Stål, Enum. Hemip., v, p. 23, 1876. [*melaena.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 271, 1876; iv, p. 503, 1878, *Cori-*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 367, 1878, *Corimelaena.*
Distant, Biol. Centr. Am., Heter., i, p. 11, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 21, 1885.
Uhler, Proc. Zool. Soc. Lond., for 1894, p. 170.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 169, 1894, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 9, 1904, *Corimelaena.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 154, 1909.
Van Duzee, Can. Ent., xli, p. 369, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 247, 1912.
marginella (Dallas), List of Hemip., i, p. 59, 1851, *Corimelaena.*
Distant, Biol. Centr. Am., Heter., i, p. 308, pl. 30, fig. 1, 1889. [*gupha.*
flavomarginata (Thomas), Trans. Ill. St. Agr. Soc., v, p. 455, 1865, *Gal-*
††*tibialis* Uhler, Check List, p. 2, 1886, *Corimelaena.*
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., Md., D. C., Ga., Fla., Miss., La., Minn., Dak., Neb., Kan., Mo., Colo., Texas, Br. Am.

38. **Thyreocoris minutus** (Uhl.)

Uhler, Proc. Am. Ent. Soc., ii, p. 155, 1863, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 76, 1904, *Corimelaena.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 5, 1907.
Localities: Fla., Texas. (West Indies.)

39. **Thyreocoris obtusus** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 225, 1894, *Corimelaena.*
Localities: Texas. (Mexico.)

40. **Thyreocoris renormatus** (Uhl.)

Uhler, Hemip. Colo., p. 11, 1895, *Corimelaena.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 9, 1904, *Corimelaena.*
†*albipennis* (Uhler), Hemip. Colo., p. 10, 1895, *Corimelaena* (young).
Localities: Colo.

41. **Thyreocoris guttiger** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 94, 1862.
Stål, Enum. Hemip., v, p. 24, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 11, pl. 2, fig. 16, 1880.
Barber, Brookl. Inst., Sci. Bul., i, p. 255, 1906.
Osborn and Drake, Ohio Nat., xv, p. 541, 1915.
Localities: Texas. (Neotropical.)

42. **Thyreocoris sayi** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 10, 1904, *Corimelaena* (n.n. for
Zimmer, Univ. Neb. Studies, xi, p. 247, 1912. [*albipennis* Say.)
‖*albipennis* Say, Heter. N. Harm., p. 2, 1831, Fitch reprint p. 756.
Say, Compl. Writ., i, p. 311.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 271, 1876, *Corimelaena.*
Osborn, Ent. News, iv, p. 91, 1893, *Corimelaena.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 121, 1894, *Corimelaena.*
Localities: Neb., Colo.

Subfamily CYDNINAE (Dallas)

Dallas, List of Hemip., i, p. 109, 1851, Family *Cydnidae.*
Stål, Hemip. Afr., i, p. 18, 1864, Family *Cydnida.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 275, 1876, Family *Cydnidae.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 366, 1877, Family *Cydnidae.*
[(Monograph.)
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 26, 1881, *Cydnides.* (Monograph.)
Puton, Cat. Palae. Hemip., Edn. 3, p. 8, 1886, Tribe *Cydnini.*
Uhler, Check List, p. 3, 1886, Family *Cydnidae.*
Lethierry and Severin, Cat. Génl. Hémip., i, p. 60, 1893, Subfamily *Cydnidae.*
Kirkaldy, Fauna Hawaiien., iii, p. 172, 1902, Subfamily *Cydninae.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 23, 1904, Subfamily *Cydnidae.*
Kirkaldy, Cat. Hemip., i, p. xxxix, 1909, Tribe *Cydnini.*
Banks, Cat. Nearc. Hemip., p. 98, 1910, Family *Cydnidae.*
Zimmer, Univ. Neb. Studies, xi, p. 240, 1912.

TRIBE *CYDNINI* (Stål)

Stål, Hemip. Afr., i, p. 18, 1864, Subfamily *Cydnida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 6, 1868, Subfamily *Cydnida.*

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 366, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 33, 1881, *Cydnides.*
Zimmer, Univ. Neb. Studies, xi, p. 241, 1912.

Genus **Cyrtomenus** Am. & Serv.
Logotype *castaneus* Am. & Serv. = *mirabilis* (Perty)

Amyot and Serville, Hémip., p. 90, 1843.
Dallas, List of Hemip., i, pp. 110, 111, 1851.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 367, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 2, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 196, 1881.
†*Cydnus* Amyot and Serville, Hemip., p. 91, 1843.

43. **Cyrtomenus teter** (Spin.)

Spinola, Essai sur les Hémip., p. 332, 1840, *Cydnus.*
Dallas, List of Hemip., i, p. 111, 1851.
Distant, Biol. Centr. Am., Heter., i, p. 2, pl. 2, fig. 13, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 197, pl. 6, fig. 17, 1881.
Banks, Cat. Nearc. Hemip., p. 99, 1910.
aethiops (Amyot and Serville), Hemip., p. 92, 1843, *Cydnus.* [(male).
excavatus Distant, Biol. Centr. Am., Heter., i, p. 2, pl. 2, fig. 12, 1880
Localities: Calif. (Neotropical.)

44. **Cyrtomenus mirabilis** (Perty)

Perty, Del. Anim. Artic., p. 166, 1834, *Cydnus.*
Stål, Enum. Hemip., v, p. 18, 1876.
Berg, Hemip. Argent., p. 10, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 3, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 199, pl. 6, fig. 19, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 226, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 23, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 154, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 133, 1910.
mutabilis (Perty), Del. Anim. Artic., pl. 33, fig. 6, 1834, *Cydnus.*
Burmeister, Hand. d. Ent., ii, p. 375, 1835, *Cydnus.*
Dallas, List of Hemip., i, p. 112, 1851.
Herrich-Schaeffer, Wanz. Ins., p. 76, 1853, *Cydnus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 275, 1876, iii, p. 367, 1877.
castaneus Amyot and Serville, Hémip., p. 91, 1843.
Stål, Enum. Hemip., v, p. 18, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 24, 1904.
crassus Walker, Cat. Heter., i, p. 147, 1867.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 227, 1899.
obtusus Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 369, 1877.
umbonatus (Berg), Hemip. Argent., p. 14, 1879, *Macroscytus.*
Localities: N. J., S. C., Ga., Fla., Texas, N. Mex., Ariz., Calif. (Neotropical.)

Genus **Macroporus** Uhl.
Haplotype *repetitus* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 278, 1876, iii, p. 375, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 328, 1881.

45. **Macroporus repetitus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 279, 1876, iii, p. 375, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 329, pl. 10, fig. 46, 1881.
Localities: Md., Calif.

Genus **Homaloporus** Uhl.
Haplotype *congruus* Uhler

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 376, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 330, 1881.

46. **Homaloporus congruus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 377, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 330, pl. 10, fig. 47, 1881.
Zimmer, Univ. Neb. Studies, xi, p. 241, 1912.
Localities: Neb., Colo., Texas.

47. **Homaloporus pangaeiformis** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 331, pl. 11, fig. 48, 1881.
Snow, Trans. Kan. Acad. Sci., xx, pt. i, p. 151, 1906.
Localities: Texas(?). (Mexico.)

Genus **Aethus** Dall.

Logotype *indicus* (Westw.)

Dallas, List of Hemip., i, pp. 110, 112, 1851.
Stål, Hemip. Afr., i, pp. 19, 20, 1864.
Stål, Enum. Hemip., v, p. 18, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 378, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 4, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 423, 1881.
†*Cydnus*, Leach in Brewster's Edinb. Encyc., Am. Edn., viii, p. 710, 1832.
Fieber, Europ. Hemip., pp. 83, 363, 1861.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 9, 1868.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 145, 1882.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 65, 1894.
Distant, Fauna Br. Ind., Rhyn., i, p. 90, 1902. (Cites *nigritus* as type.)
Oshanin, Verz. Palae. Hemip., i, p. 9, 1906.
Banks, Cat. Nearc. Hemip., p. 99, 1910.
Oshanin, Kat. Palae. Hemip., p. 1, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 24, 1912.
Trichosternus Mulsant and Rey, Punaise de France, Pent., p. 24, 1860.
Tominotus Mulsant and Rey, Punaise de France, Pent., p. 29, 1860 (*Haplo-*
[*type signoreti* M. & S.)
Microporus Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 394, 1872.
[(Name only.)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 275, 1876. (Haplotype
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 373, 1877. [*obliquus* Uhl.)
Distant, Biol. Centr. Am., Heter., i, p. 8, 1880. [type *conformis* Uhl.)
Trichocoris Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 277, 1876. (*Haplo-*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 371, 1877.
Rhytidoporus Uhler, Bul. U. S. Geol. Geog. Surv., ii, p. 380, 1877. (*Hap-*
[*lotype indentatus* Uhl.)
Cryptoporus Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 381, 1877. [Uhl.)
Bergthora Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Cryptoporus*

48. **Aethus testudinatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 276, 1876, *Microporus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 374, 1877, *Microporus.*
Distant, Biol. Centr. Am., Heter., i, p. 8, pl. 2, fig. 24, 1880, *Microporus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 424, pl. 11, fig. 53, 1881.
Localities: Ind., Colo., N. Mex., Calif. (Mexico.)

49. **Aethus conformis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 277, 1876; iii, p. 372, 1877, *Tricho-*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, i, p. 425, pl. 11, fig. 54, 1881. [*coris.*
Locality: Calif.

50. **Aethus communis** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 379, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 35, pl. 2, fig. 76, 1882.
Barber, Brookl. Inst. Sci. Bul., i, p. 256, 1906, *Cydnus.*
Localities: Fla., Texas. (West Indies.)

51. **Aethus indentatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 380, 1877, *Rhytidoporus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 38, pl. 2, fig. 80, 1882.
Localities: Fla. (West Indies.)

52. **Aethus compactus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 382, 1877, *Cryptoporus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 41, pl. 2, fig. 83, 1882.
Localities: Texas.

53. **Aethus obliquus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 394, 1872, *Microporus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 276, 1876; iii, p. 373, 1877, *Microporus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 161, pl. 7, fig. 97, 1882, *Cydnus.*
Zimmer, Univ. Neb. Studies, xi, p. 241, 1912.
?Olsen, Jl. N. Y. Ent. Soc., xx, p. 50, 1912, *Cydnus.*
Localities: N. Y.(?), Neb., Colo., Utah, Texas, Ariz., Calif., Oregon.

54. **Aethus politus** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 36, pl. 2, fig. 77, 1882.
Localities: Calif.

Genus **Pangaeus** Stål

Logotype *margo* (Dall.)

Stål, Stet. Ent. Zeit., xxiii, p. 95, 1862.
Stål, Enum. Hemip., v, p. 19, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 383, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 5, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 244, 1882, *Pangoeus.*
Provancher, Pet. Faune Ent. Can., iii, p. 28, 1885.
Zimmer, Univ. Neb. Studies, xi, pp. 23, 24, 1912.

55. **Pangaeus margo** (Dall.)

Dallas, List of Hemip., i, p. 116, 1851, *Aethus.*
Stål, Stet. Ent. Zeit., xxiii, p. 95, 1862.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 387, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 5, pl. 2, fig. 15, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 248, pl. 8, fig. 107, 1882.
Distant, Biol. Centr. Am., Heter., i, p. 306, 1889.
Distant, Am. Mag. Nat. Hist., Ser. 7, iv, p. 222, 1899.
confusus Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 249, pl. 8, fig. 108, 1882.
scitus (Walker), Cat. Heter., iii, p. 535, 1868, *Aethus*.
Localities: Ariz. (Neotropical.)

56. **Pangaeus discrepans** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 386, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 7, pl. 2, fig. 19, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 249, pl. 8, fig. 109, 1882.
Localities: Ind., Tenn., Idaho, Colo., Texas, Calif.

57. **Pangaeus uhleri** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 253, pl. 9, fig. 112, 1882.
Bueno and Brimley, Ent. News, xviii, p. 441, 1907, *Pangaelus*.
‖*rugifrons* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 384, 1877.
Localities: N. C., S. C., Ga., Texas.

58. **Pangaeus bilineatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 315, 1825; Compl. Writ., ii, p. 242, [*Cydnus*
Say, Heter. N. Harm., p. 10, 1832; Fitch reprint, p. 768; Compl. Writ., i,
Dallas, List of Hemip., i, p. 119, 1851, *Aethus*. [p. 323, *Cydnus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 275, 1876; iii, p. 383, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 371, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 6, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 254, pl. 9, fig. 13, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 28, 1885.
Barber, Brookl. Inst., Sci. Bul., i, p. 256, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 133, 1910.
Van Duzee, Can Ent., xliv, p. 318, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 242, 1912.
femoralis (Herrich-Schaeffer), Wanz. Ins., v, p. 98, fig. 548, 1839, *Cydnus*.
[*robertsoni* Uhler MS] Uhler, Proc. Bost. Soc. Nat. Hist, xix, p. 372, 1878.
Localities: Quebec, Mass., Conn., N. Y., N. J., Pa., Md., N. C., Ala., Okl., Texas. (Mexico.)

59. **Pangaeus spangbergi** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 259, pl. 9, fig. 116, 1882.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 158, 1907.
Localities: Texas, Ariz.

60. **Pangaeus piceatus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 96, 1862.
Stål, Enum. Hemip., v, p. 19, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 275, 1876; iii, p. 388, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 5, pl. 2, fig. 18, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, ii, p. 262, pl. 9, fig. 120, 1882.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 126, 1912.
†*insularis* (Dallas), List of Hemip., i, p. 120, 1851, *Aethus*.

tenuis (Walker), Cat. Heter., i, p. 151, 1867, *Aethus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 390, 1877.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 221, 1899.
parilis (Walker), Cat. Heter., i, p. 153, 1867, *Aethus*
Localities: Texas, N. Mex., Ariz., Calif.

Genus **Geotomus** Muls. & Rey.
Logotype *punctulatus* Costa.

Mulsant and Rey, Punaise de Fr., Pent., p. 34, 1866.
Signoret, Ann. Soc. Ent. Fr. Ser. 6, iii, p. 34, 1883.
Distant, Biol. Centr. Am., Heter., i, p. 307, 1889.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 71, 1893.
Distant, Fauna Br. Ind., Rhyn., i, p. 98, 1902.
Zimmer, Univ. Neb. Studies, xi, pp. 23, 24, 1912. [type *elongatus* Uhl.)
Melanaethus Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 280, 1876. (Haplo-
Alonips Signoret, Ann. Mus. Civ. Genoa, xvi, p. 653, 1881.

61. **Geotomus robustus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 390, 1877, *Melanaethus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 59, pl. 4, fig. 168, 1883.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 154, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 133, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 242, 1912.
Localities: Mass., N. J., Pa., Md., Ga., Fla., Neb.

62. **Geotomus pennsylvanicus** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 207, pl. 4, fig. 169, 1883 (n.n. for [*picinus* Uhl.)
‖*picinus* (Uhler), Bul. U. S. Geol. Geog. Surv., iii, p. 391, 1877, *Melanaethus.*
Localities: Pa., Ga.

63. **Geotomus parvulus** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 208, pl. 4, fig. 170, 1883 (n.n. for
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906. [*elongatus* Uhl.)
‖*elongatus* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 280, 1876, *Melanaethus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 392, 1877, *Melanaethus.*
Localities: Ariz., Calif.

64. **Geotomus uhleri** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 211, pl. 5, fig. 174, 1883.
Locality: "N. Am."

65. **Geotomus punctatissimus** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 216, pl. 5, fig. 180, 1883.
Locality: Sitka.

66. **Geotomus subglaber** (Walk.)

Walker, Cat. Heter., i, p. 150, 1867, *Aethus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 394, 1877, *Melanaethus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 223, 1899.
Locality: "N. Am."

Genus **Amnestus** Dall.
Haplotype *spinifrons* Say

Dallas, List of Hemip., i, pp. 110, 126, 1851.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 307, 1868.
Stål, Enum. Hemip., v, p. 21, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 369, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 367, 1883.
Distant, Biol. Centr. Am., Heter., i, p. 307, 1889.
Zimmer, Univ. Neb. Studies, xi, pp. 241, 242, 1912.
Magoa Stål, Rio Jan. Hemip., i, p. 13, 1860. (Logotype *cribratus* Stål.)

67. **Amnestus spinifrons** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 316, 1825; Compl. Writ., ii, p. 242,
Dallas, List of Hemip., i, p. 126, pl. 3, fig. 2, 1851. [*Cydnus.*
Stål, Enum. Hemip., v, p. 21, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 370, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 372, 1878.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 367, pl. 10, fig. 192, 1883.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 169, 1894.
Smith, Cat. Ins. N. J., Edn. 3, p. 133, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 243, 1912.
Localities: Mass., N. Y., N. J., Pa., Ga., Md., Mich., Ind., Ill., Neb., Kan., Texas.

68. **Amnestus pusillus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 278, 1876; iii, p. 371, 1878.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 372, pl. 10, fig. 197, 1883.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 226, 1894.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 350, 1904.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 25, 1904.
Smith, Cat. Ins. N. J., Edn. 3, p. 133, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 243, 1912.
†*subferrugineus* Gillette & Baker, Hemip. Colo., p. 11, 1895.
Localities: N. H., N. Y., N. J., Pa., Fla., Miss., Tenn., Ind., Iowa, Neb., Kan., Colo.

69. **Amnestus pallidus** Zimm.

Zimmer, Can. Ent., xlii, p. 166, 1910 (misspelled *Annectus*).
Locality: Neb.

TRIBE *SEHIRINI* (Stål)

Stål, Hemip. Afr., i, p. 18, 1864, Subfamily *Sehirida.*
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 10, 1868, Subfamily *Sehirida.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 396, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 521, 1883, Groupe *Sehiridea.*
Zimmer, Univ. Neb. Studies, xi, p. 243, 1912.

Genus **Lobolophus** Bergr.
Haplotype *anthracinus* (Uhl.)

Bergroth, Rev. d'Ent., x, p. 235, 1891 (n.n. for *Lobonotus* Uhl.).
‖*Lobonotus* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 395, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 9, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 529, 1883.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 77, 1893.
Banks, Cat. Nearc. Hemip., p. 100, 1910.

70. **Lobolophus anthracinus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 395, 1877, *Lobonotus.*
Distant, Biol. Centr. Am., Heter., i, p. 9, pl. 4, fig. 7, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iii, p. 529, pl. 16, fig. 208, 1883.
Localities: Texas. (Mexico.)

Genus **Sehirus** Am. and Serv.

Logotype *morio* (Linn.)

Amyot and Serville, Hémip., p. 96, 1843.
Dallas, List of Hemip., i, p. 127, 1851.
Fieber, Europ. Hemip., p. 366, 1861.
Mulsant and Rey, Punaise de Fr., Pent., p. 47, 1866.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 396, 1877.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 51, 1884.
Oshanin, Kat. Palae. Hemip., p. 3, 1912. (Names *morio* Linn. type.)
Tritomegas Amyot and Serville, Hémip., p. 98, 1843. (Logotype *bicolor*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 50, 1884. [Linn.)
Legnotus Schiodte in Kroyer's Nat. Tidskr., ii, p. 464, 1849.
Canthophorus Mulsant and Rey, Punaise de Fr., Pent., p. 54, 1866. (Logo-
Stål, Enum. Hemip., v, p. 22, 1876. [type *dubius* Scop.)
Distant, Biol. Centr. Am., Heter., i, p. 9, 1880.
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 55, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 27, 1885.
Adomerus Mulsant and Rey, Punaise de Fr., Pent., p. 66, 1866. (Haplo-
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 46, 1884. (type *biguttatus* Linn.)
Lalervis Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 48, 1884. (Haplotype
[*expansa* Sign.)

71. **Sehirus cinctus** (P. B.)

Palisot–Beauvois, Ins. Rec. Afr. Am., p. 114, pl. Hémip. 8, fig. 7, 1805,
Stål, Hemip. Afr., i, p. 29, 1864. [*Pentatoma.*
Stål, Enum. Hemip., v, p. 22, 1876, *Canthophorus.* [*phorus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 281, 1876; iii, p. 397, 1877, *Cantho-*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 372, 1878, *Canthophorus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv., p. 503, 1878, *Canthophorus.*
Distant, Biol. Centr. Am., Heter., i, p. 9, 1880, *Canthophorus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 6, iv, p. 60, pl. 3, fig. 227, 1884, *Cantho-*
Provancher, Pet. Faune Ent. Can., iii, p. 27, 1885, *Canthophorus.* [*phorus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894, *Canthophorus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 26, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 548, 1905.
Zimmer, Univ. Neb. Studies, xi, p. 243, 1912.
ligatus (Say), Heter. N. Harm., p. 10, 1831; Fitch reprint, p. 767, *Cydnus.*
Say, Compl. Writ., i, p. 322, *Cydnus.*
albonotatus Dallas, List of Hemip., i, p. 127, 1851.
Uhler, in Say's Compl. Writ., i, p. 323, 1859.
Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., D. C., N. C.,
Miss., Ohio, Neb., Manitoba.

Family **PENTATOMIDAE** (Leach)

Leach, Brewster's Edinb. Encyc., ix, p. 121, 1815, *Pentatomides.*
Stephens, Cat. Br. Ins., ii, p. 337, 1829, *Pentatomidae.*
Leach, Brewster's Edinb. Encyc., Am. Edn., viii, p. 710, 1832, *Pentatomida.*
Spinola, Essai sur les Hémip., p. 260, 1837 (1840), *Pentatomites.*
Blanchard, Hist. des Ins., Hémip., p. 141, 1840, *Pentatomites.*
Westwood, Intr. Mod. Classif. Ins., Synop., p. 123, 1840, Subfam. *Pentatomides.*
Spinola, Tavola Sinot., p. 26, 1850, *Pentatomitae.*
Stål, Hemip. Afr., i, p. 32, 1866, *Pentatomida.* (Includes *Scutelleridae.*)
Stål, Of. Vet. Akad. Forh., xxix, p. 33, 1872, *Pentatomina.*
Stål, Enum. Hemip., v, p. 28, 1876, *Pentatomidae.* (Includes *Scutelleridae.*)
Distant, Fauna Br. Ind., Rhyn., i, p. 109, 1902 (as subfamily).
Parshley, Psyche, xxii, p. 170, 1915. (Systematic.)

Subfamily **GRAPHOSOMATINAE** (Jakl.)

Jakowleff, Horae Soc. Ent. Ross, xviii, p. 204, 1884, Subfam. *Graphosomini.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 7, 1886, Tribe *Graphosomini.*
Lethierry and Severin, Cat. Génl. Hémip., i, p. 49, 1893, *Graphosomidae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 70, 1902.
Schouteden, Rhyng. Aethiop., i, p. 95, 1903.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 21, 1904, *Graphosomidae.*
Schouteden, Genera Ins., Fasc. 30, p. 2, 1905.
Oshanin, Verz. Palae. Hemip., i, p. 49, 1906, *Graphosomina.*
Banks, Cat. Nearc. Hemip., p. 92, 1910, *Graphosominae.*
Oshanin, Kat. Palae. Hemip., p. 6, 1912, *Graphosominae.*
Zimmer, Univ. Neb. Studies, xi, p. 220, 1912, *Graphosominae.*

TRIBE *PODOPINI* (Dall.)

Dallas, List of Hemip., i, p. 51, 1851, *Podopidae.*
Dohrn, Cat. Hemip., p. 5, 1859, *Podopidae.*
Stål, Of. Vet. Akad. Forh., xxix, p. 34, 1872, Div. *Podoparia.*
Jakowleff, Horae Soc. Ent. Ross., xviii, p. 204, 1884, *Podoparia.*
Schouteden, Genera Ins., Fasc. 30, pp. 3, 28, 1905, Tribe *Podoparia.*
Zimmer, Univ. Neb. Studies, xi, p. 238, 1912.

Genus **Oncozygia** Stål
Haplotype *clavicornis* Stål

Stål, Enum. Hemip., ii, p. 15, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 21, 1904.
Schouteden, Genera Ins., Fasc. 30, p. 29, 1905.

72. **Oncozygia clavicornis** Stål

Stål, Enum. Hemip., ii, p. 16, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 23, 1904.
Schouteden, Genera Ins., Fasc. 30, p. 30, pl. 3, fig. 12, 1905.
Localities: Va., Texas.

Genus **Podops** Lap.
Orthotype *inunctus* Fabr.

Laporte, Essai Classif. Syst. Hémip., p. 72, 1832.
Burmeister, Handb. d. Ent., ii, p. 387, 1835 (Sec. B. only).

Spinola, Essai sur les Hémip., p. 372, 1837 (1840).
Germar, Zeit. f. Ent., i, p. 63, 1839.
Herrich-Schaeffer, Wanz. Ins., v, p. 44, 1839.
Blanchard, Hist. des Ins., Hémip., p. 161, 1840 (2d div. only).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 124, 1840.
Amyot and Serville, Hémip., p. 56, 1843.
Spinola, Tavola Sinot., p. 30, 1850.
Dallas, List of Hemip., i, p. 52, 1851.
Gorski, Anal. Ent., i, p. 48, 1852.
Flor, Rhyn. Livl., i, p. 77, 1860.
Fieber, Europ. Hemip., pp. 82, 349, 1861.
Stål, Hemip. Afr., i, pp. 77, 89, 1864.
Walker, Cat. Heter., i, p. 70, 1867.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 34, 1872.
Stål, Enum. Hemip., ii, p. 15, 1872.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 55, 1893.
Distant, Fauna Br. Ind., Rhyn., i, p. 72, 1902.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 22, 1904.
Schouteden, Genera Ins., Fasc. 30, pp. 29, 31, 1905.
Oshanin, Verz. Palae. Hemip., i, p. 68, 1906.
Begroth, Mém. Soc. Ent. Belg., xv, p. 146, 1908.
Oshanin, Kat. Palae. Hemip., p. 8, 1912.

Subgenus **Amaurochrous** Stål
Logotype *dubius* (P. B.)

Stål, Enum. Hemip., ii, p. 15, 1872.
Schouteden, Genera Ins., Fasc. 30, p. 32, 1905 (names *dubius* type).
Kirkaldy, Cat. Hemip., i, p. 237, 1909 (names *cinctipes* type and on p. 373 [states that *dubius* = *cinctipes*).
Zimmer, Univ. Neb. Studies, xi, p. 238, 1912.
†*Scotinophara* Stål, Of. Vet. Akad. Forh., xxiv, p. 523, 1867.

73. **Podops dubius** (P. B.)

Palisot-Beauvois, Ins. Rec. Afr. Am., p. 33, pl. Hémip. 5, fig. 6, 1805, [*Scutellera.*
Germar, Zeit. f. Ent., i, p. 64, 1839.
Herrich-Schaeffer, Wanz. Ins., v, p. 44, fig. 495, 1839.
Amyot and Serville, Hemip., p. 57, 1843, *Podops.*
Dallas, List of Hemip., i, p. 52, 1851, *Podops.*
Stål, Enum. Hemip., ii, p. 15, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 77, 1904, *Podops.* (Doubtful.)
Schouteden, Genera Ins., Fasc. 30, p. 33, 1905.
?Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 50, 1912.
Localities: N. Y.(?), N. J., Va. (West Indies.)

74. **Podops cinctipes** (Say)

Say, Am. Ent., iii, pl. 43, 1828; Compl. Writ., i, p. 94, *Tetyra.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 502, 1867, *Scotinophara.*
Stål, Enum. Hemip., ii, p. 15, 1872.
Uhler, Check List, p. 5, 1886, *Podops.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894, *Podops.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 22, 1904, *Podops.*

Schouteden, Genera Ins., Fasc. 30, p. 33, 1905.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 226, 1908.
Zimmer, Univ. Neb. Studies, xi, p. 238, 1912.
†*dubius* Germar, Zeit. f. Ent., i, p. 64, 1839, *Podops.*
Herrich-Schaeffer, Wanz. Ins., v, p. 44, fig. 495, 1839, *Podops.*
Dallas, List of Hemip., i, p. 52, 1851, *Podops.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 274, 1876, *Podops.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 368, 1878, *Podops.*
Gillette and Baker, Hemip. Colo., p. 13, 1895, *Podops.*
Localities: Quebec, Ont., N. Y., N. J., D. C., Neb.

75. **Podops parvulus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 22, 1904, *Podops.*
Schouteden, Genera Ins., Fasc. 30, p. 33, pl. 3, fig. 13, 1905.
Smith, Cat. Ins. N. J., Edn. 3, p. 132, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 238, 1912.
Localities: Quebec, Mass., N. Y., N. J., Neb., Kan., Colo.

Genus **Weda** Schout.
Haplotype *horvathi* Schout.

Schouteden, Ann. Soc. Ent. Belg., xlix, p. 145, 1905.
Schouteden, Genera Ins., Fasc. 30, p. 42, 1905.

76. **Weda horvathi** Schout.

Schouteden, Ann. Soc. Ent. Belg., xlix, p. 145, 1905.
Locality: Colo.

Subfamily **PENTATOMINAE** Stål

Stål, Hemip. Afr., i, pp. 32, 76, 1864.
Stål, Enum. Hemip., ii, p. 12, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 31, 1872, Subfam. *Pentatomina*
Distant, Biol. Centr. Am., Heter., i, p. 49, 1880. [(part).
Puton, Cat. Hémip. Palae., Edn. 3, p. 9, 1886, Tribe *Pentatomini.*
Distant, Fauna Br. Ind., Rhyn., i, pp. 2, 109, 1902.
Oshanin, Verz. Palae. Hemip., i, p. 72, 1906, Subfam. *Pentatomina.*
Oshanin, Kat. Palae. Hemip., p. 9, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 220, 1912.
Macropeltidae Fieber, Europ. Hemip., pp. 26, 77, 327, 1861 (as family).
Stål, Stet. Ent. Zeit., xxiii, p. 96, 1862.

TRIBE *DISCOCEPHALINI* (Fieb.)

Fieber, Europ. Hemip., pp. 26, 77, 326, 1861, Fam. *Discocephalidae.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 499, 1867, *Discocephalida.*
Stål, Hemip. Fabr., i, p. 17, 1868, *Discocephalida.*
Stål, Enum. Hemip., ii, p. 4, 1872, *Discocephalina.*
Distant, Biol. Centr. Am., Heter., i, p. 44, 1880, Subfam. *Discocephalinae.*
Kirkaldy, Cat. Hemip., i, pp. 34, 214, 1909.

Genus **Platycarenus** Fieb.
Haplotype *umbraculata* Fieb.

Fieber, Europ. Hemip., pp. 77, 326, 1861.
Stål, Hemip. Fabr., i, p. 18, 1868.

Stål, Enum. Hemip., ii, p. 5, 1872. (As subgen. of *Discocephala.*)
Kirkaldy, Cat. Hemip., i., p. 215, 1909.
Discocephalessa Kirkaldy, Cat. Hemip., i, p. 215, 1909. (Orthotype [*notulata* Stål.)

77. **Platycarenus clypeatus** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 96, 1862, *Discocephala.*
Stål, Hemip. Fabr., i, p. 18, 1868, *Discocephala.*
Stål, Enum. Hemip., ii, p. 6, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 45, pl. 6, fig. 1, 1880, *Discocephala.*
Barber, Brookl. Inst. Sci. Bul., i, p. 257, 1906, *Discocephala.*
Snow, Trans. Kan. Acad. Sci., xx., pt. 2, p. 158, 1907, *Discocephala.*
Kirkaldy, Cat. Hemip., i, p. 215, 1909.
inobtrusa (Walker), Cat. Heter., i, p. 183, 1867, *Discocephala.*
Localities: Texas, Ariz. (Mexico.)

78. **Platycarenus marginellus** (Stål)

Stål, Enum. Hemip., ii, p. 6, 1872, *Discocephala.*
Distant, Biol. Centr. Am., Heter., i, p. 45, pl. 5, fig. 2, 1880, *Discocephala*
Kirkaldy, Cat. Hemip., i, p. 216, 1909.
Localities: Ariz. (Neotropical.)

TRIBE *SCIOCORINI* (A. & S.)

Amyot and Serville, Hémip., p. 118, 1843, Groupe *Sciocorides* part.
Stål, Of. Vet. Akad. Forh., xxix, p. 35, 1872, Div. *Sciocoraria.*
Stål, Enum. Hemip., v, p. 49, 1876 (without name).
Atkinson, Jl. Asiatic Soc. Beng., lvii, p. 11, 1888.
Distant, Fauna Br. Ind., Rhyn., i, p. 125, 1902, Div. *Sciocoraria.*
Kirkaldy, Cat. Hemip., i, pp. 34, 208, 1909.

Genus **Sciocoris** Fall.
Haplotype *umbrinus* (Wolff) = *cursitans* (Fabr.)

Fallén, Hemip. Suec. Cimic., p. 20, 1829.
Hahn, Wanz. Ins., i, p. 194, 1831.
Burmeister, Handb. d. Ent., ii, p. 372, 1835.
Herrich-Schaefer, Nomen. Ent., i, p. 37, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 397, 1835.
Spinola, Essai sur les Hémip., p. 312, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 151, 1840.
Westwood, Intr. Mod. Classif. Ins., Synop., p. 124, 1840.
Amyot and Serville, Hémip., p. 120, 1843.
Spinola, Tavola Sinot., p. 35, 1850.
Fieber, Rhyngotog., p. 12, 1851.
Dallas, List of Hemip., i, p. 131, 1851.
Gorski, Anal. Ent., i, p. 64, 1852.
Flor, Rhyng. Livl., i, p. 109, 1860.
Fieber, Europ. Hemip., pp. 82, 355, 1861.
Stål, Hemip. Afr., i, pp. 79, 120, 1864.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 35, 1872.
Stål, Enum. Hemip., v, p. 50, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 32, 1904.

79. **Sciocoris microphthalmus** Flor.

Flor, Rhyng. Livl., i, p. 114, 1860.
Reuter, Ent. Tidskr., i, p. 125, 1880.
Puton, Synop. Hemip., ii, p. 39, 1881.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 32, 1904.
‖*umbrinus* Fieber, Rhyngotog., p. 16, 1851.
Fieber, Europ. Hemip., p. 358, 1861.
curtipennis Mulsant and Rey, Punaise de Fr., Pent., p. 105, 1866.
Localities: Ont., N. H.

TRIBE *MECIDIINI* (Dist.)

Distant, Fauna Br. Ind., Rhyn., i, p. 140, 1902, Div. *Mecidaria.*
Platycoraria, Bergroth, Proc. Zool. Soc. Lond. for 1905, p. 147 (as division).
Oshanin, Kat. Palae. Hemip., p. 9, 1912 (Tribe).
Diemeniini Kirkaldy, Cat. Hemip., i, pp. 34, 202, 1909.

Genus **Mecidea** Dall.
Logotype *indica* Dall.

Dallas, List of Hemip., i, p. 139, 1851.
Stål, Hemip. Afr., i, p. 132, 1864.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 58, 1872.
Stål, Enum. Hemip. ii, p. 17, 1872; v, p. 34, 1876.
Distant, Fauna Br. Ind., Rhyn., i, p. 140, 1902. [description.)
Reuter, Of. Finska Vet. Soc. Forh., lv, Afd. A, No. 14, p. 10, 1913 (full
Cerataulax Signoret, Ann. Soc. Ent. Fr., Ser. 2, ix, p. 335, 1851 (Haplo- [type *quadrivittatus* Sign.)

80. **Mecidea longula** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 233, 1854; xiii, p. 57, 1856.
Stål, Enum. Hemip., ii, p. 17, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 26, 1904.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 177, 1906.
Localities: Ia., Colo., N. Mex., Texas, Ariz.

TRIBE *HALYINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 35, 1872, Division *Halyaria.*
Stål, Enum. Hemip., v, p. 34, 1876, Division *Halyaria.*
Distant, Fauna Br. Ind., Rhyn., i, p. 109, 1902, Division *Halyaria.*
Oshanin, Verz. Palae. Hemip., i, p. 72, 1906, Division *Halyaria.*
Kirkaldy, Cat. Hemip., i, p. 34, 1909.
Oshanin, Kat. Palae. Hemip., pp. 9, 182, 1912, Tribe *Halyaria.*
Zimmer, Univ. Neb. Studies, xi, p. 220, 1912.

Genus **Brochymena** Am. & Serv.

Haplotype †*serrata* Am. & Serv. = *4-pustulata* (Fabr.)
Amyot and Serville, Hémip., p. 106, 1843.
Spinola, Tavola Sinot., p. 31, 1850.
Dallas, List of Hemip., i, p. 188, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 525, 1867.
Stål, Enum. Hemip., ii, p. 16, 1872.

Distant, Biol. Centr. Am., Heter., i, p. 51, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 34, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 26, 1904. (Key.)

81. **Brochymena arborea** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 311, 1825; Compl. Writ., ii, p. 239, [*Pentatoma.*
Dallas, List of Hemip., i, p. 188, 1851.
Herrich-Schaeffer, Wanz. Ins., Verz., p. 26, 1853.
Stål, Enum. Hemip., ii, p. 17, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 394, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 372, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 59, 1880.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 27, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 257, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 134, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 50, 1912.
†*erosa* (Herrich-Schaeffer), Wanz. Ins., v, p. 70, fig. 515, 1839; vii, p. 56,
†*annulata* Walker, Cat. Heter., i, p. 230, 1867. [1844, *Halys.*
Localities: Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ga., Fla., Ohio, Kan., Okl., N. Mex., Texas. (Mexico)

82. **Brochymena haedula** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 99, 1862.
Stål, Enum. Hemip., ii, p. 17, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 52, pl. 5, fig. 7, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, pp. 27, 28, 1904.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 34, 1910.
Localities: Texas, Ariz. (Mexico.)

83. **Brochymena poeyi** (Guer.)

Guerin, *in* La Sagra, Hist. de Cuba, Ins., p. 365, pl. 13, fig. 1, 1857, *Pentatoma.*
Stål, Berl. Ent. Zeit., x, p. 156, 1860.
Stål, Enum. Hemip., ii, p. 17, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 28, 1904.
Localities: Fla. (West Indies.)

84. **Brochymena myops** Stål

Stål, Enum. Hemip., ii, p. 16, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 373, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 51, 1880.
Bueno and Brimley, Ent. News, xviii, p. 441, 1907.
Van Duzee, Can. Ent., xliv, p. 318, 1912.
†*quadripustulata* Herrich-Schaeffer, Wanz. Ins., vii, p. 57, fig. 729, 1844.
4-notata Provancher, Nat. Can., iv, p. 74, 1872.
Uhler, Check List, p. 5, 1886.
Localities: N. C., Ala., La., Texas, N. Mex.

85. **Brochymena 4-pustulata** (Fabr.)

Fabricius, Syst. Ent., p. 704, 1775, *Cimex.*
Goeze, Ent. Beytr., i, p. 238, 1778, *Cimex.*

Fabricius, Spec. Ins., ii, p. 347, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 285, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn., 13, i, pt. 4, 2140, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 100, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 182, 1803, *Halys.*
Dallas, List of Hemip., i, p. 188, 1851.
Stål, Enum. Hemip., ii, p. 16, 1872.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 28, 1904.
Van Duzee, Can. Ent., xliv, p. 318, 1912.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 50, 1912.

†*serrata* (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 187, pl. Hémip. 11, fig. [8, 1805, *Halys.*
Amyot and Serville, Hémip., p. 107, 1843.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 394, 1872.

pupillata (Herrich-Schaeffer), Wanz. Ins., iv, p. 104, fig. 453, 1839, *Halys.*
Herrich-Schaeffer, Wanz. Ins., vii, p. 58, 1844, *Halys.*

†*annulata* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 373, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 35, 1885.

Localities: Quebec, Ont., N. Y., N. J., Pa., D. C., N. C., Ohio, Neb., Kan., Colo., Utah, Ariz., Calif.

86. **Brochymena affinis** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 29, 1904.

Localities: Idaho, Wash., Calif.

87. **Brochymena tenebrosa** Walk.

Walker, Cat. Heter., i, p. 231, 1867.
Distant, Biol. Centr. Am., Heter., i, pl. 6, fig. 5, 1880.
Kirkaldy, Cat. Hemip., i, p. 192, 1909.

‖*obscura* (Herrich-Schaeffer), Wanz. Ins., v, p. 68, fig. 513, 1839; vii, [p. 59, 1844, *Halys.*
Stål, Enum. Hemip., ii, p. 16, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 52, 1880.
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 29, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 257, 1906.

Localities: Texas, Colo., Utah, Ariz., Nev., Calif., Oregon. (Mexico.)

88. **Brochymena cariosa** Stål

Stål, Enum. Hemip., ii, p. 17, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 30, 1904.

Localities: Fla., Miss., Tenn., La., Ark., Texas.

89. **Brochymena carolinensis** (Westw.)

Westwood, Hope Cat., i, p. 22, 1837, *Halys.*
Dallas, List of Hemip., i, p. 189, 1851.
Stål, Enum. Hemip., ii, p. 17, 1872.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 823.
Kirkaldy, Cat. Hemip., i, p. 191, 1909.

‖*annulatus* (Fabricius), Syst. Ent., p. 704, 1775, *Cimex.*

Gœze, Ent. Beytr., ii, p. 238, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 347, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 285, 1787, *Cimex.*
Gmelin, *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2139, 1888, *Cimex.*
Fabricius, Ent. Syst., iv, p. 100, 1894, *Cimex.*
Fabricius, Syst. Rhyng., p. 182, 1803, *Halys.*
Herrich-Schaeffer, Wanz. Ins., vii, p. 57, fig. 728, 1844, *Halys.*
Stål, Enum. Hemip., ii, p. 16, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 30, 1904.
Bueno and Brimley, Ent. News, xviii, p. 442, 1907.
†*serrata* (Wolff), Icon. Cimic., v, p. 184, fig. 178, 1811, *Halys.*
harrisii Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 95, 1871; xix, p. 373, 1878.
Localities: N. Y., N. J., D. C., N. C., Ga., Fla.

90. **Brochymena punctata** Van D.

Van Duzee, Can. Ent., xli, p. 369, 1909.
Banks, Cat. Nearc. Hemip., p. 92, 1910.
†*harrisii* Van Duzee, Trans. Am. Ent. Soc., xxx, p. 31, 1904.
Bueno and Brimley, Ent. News, xviii, p. 442, 1907.
Localities: Va., Ga.

91. **Brochymena marginella** Stål

Stål, Enum. Hemip., ii, p. 16, 1872. (As var. of *annulata.*)
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 31, 1904.
Localities: Fla., Texas.

92. **Brochymena(?) laticornis** (Say)

Say, Heter. N. Harm., p. 5, 1831; Fitch reprint, p. 760; Compl. Writ., i, 315,
Localities: "U. S." [*Pentatoma.*

TRIBE *PENTATOMINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, p. 37, 1872, Division *Pentatomaria.*
Kirkaldy, Cat. Hemip., i, pp. 34, 35, 1909.
Oshanin, Kat. Palae., Hemip., p. 10, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 221, 1912.

Genus **Peribalus** Muls. & Rey.
Logotype *vernalis* Wolff.

Mulsant and Rey, Punaise de Fr., Pent., pp. 237, 262, 1866.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 37, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 65, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 32, 1904. (Key.)
Zimmer, Univ. Neb. Studies, xi, pp. 221, 223, 1912.
†*Holcostethus* Kirkaldy, Cat. Hemip., i, p. 47, 1909.

93. **Peribalus abbreviatus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 397, 1872, *Holcostethus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876; iii, p. 403, 1877, *Holcostethus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894, *Holcostethus.*
Gillette and Baker, Hemip. Colo., p. 16, 1895, *Holcostethus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 33, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.

Zimmer, Univ. Neb. Studies, xi, p. 224, 1912.
Localities: Neb., Kan., Colo., Utah, Mont., Ariz., Calif., Br. Am. (Mexico.)

94. **Peribalus limbolarius** Stål

Stål, Enum. Hemip., ii, p. 34, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 403, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 65, pl. 6, fig. 19, 1880.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Gillette and Baker, Hemip. Colo., p. 16, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 32, 1904.
Zimmer, Univ. Neb. Studies, xi, p. 223, 1912.
modestus Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 396, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876.
Localities: Ont., N. Y., N. J., N. C., Ga., Ill., Neb., Kan., Colo., Texas, N. Mex., Manitoba, Mont., Utah, Ariz., Calif., Vanc. Isd. (Mexico.)

95. **Peribalus tristis** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 33, 1904.
Localities: Calif., Vanc. Isd.

96. **Peribalus piceus** (Dall.)

Dallas, List of Hemip., i, p. 236, 1851, *Pentatoma(?)*.
Gillette and Baker, Hemip. Colo., p. 16, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 34, 1904.
Localities: Ont., Ia., Mont., Colo.

97. **Peribalus dubius** (Dall.)

Dallas, List of Hemip., p. 237, 1851, *Pentatoma*.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 34, 1904.
Localities: "N. Am."

Genus **Trichopepla** Stål

Haplotype *pilipes* (Dall.) = *semivittata* (Say)

Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867.
Distant, Biol. Centr. Am., Heter., i, p. 64, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 34, 1904.
Zimmer, Univ. Neb. Studies, xi, p. 221, 1912.

98. **Trichopepla semivittata** (Say)

Say, Heter. N. Harm., p. 9, 1832; Fitch reprint, p. 766; Compl. Writ., i, p. [322, *Pentatoma*.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 96, 1871.
Stål, Enum. Hemip., ii, p. 34, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876; iii, p. 403, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 374, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 64, pl. 6, fig. 5, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 34, 1904.

Zimmer, Univ. Neb. Studies, xi, p. 224, 1912.

‖*semivittatum* (Herrich-Schaeffer), Wanz. Ins., vii, p. 101, fig. 766, 1844, [*Pentatoma.*
Walker, Cat. Heter., iii, p. 559, 1868, *Pentatoma.*

pilipes (Dallas), List of Hemip., i, p. 247, 1851, *Pentatoma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867.
Localities: Ont., N. Y., N. J., Pa., Del., D. C., N. C., Fla., Ohio, Ind., Neb., Colo., Texas.

99. **Trichopepla atricornis** Stål

Stål, Enum. Hemip., ii, p. 34, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 403, 1877.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 35, 1904.
Localities: Ill., Wisc., Colo., Mont., Calif., Br. Am., Alaska.

Genus **Rhytidolomia** Stål
Logotype *senilis* Say

Stål, Enum. Hemip., ii, p. 33, 1872.
Kirkaldy, Entomol., xxxiii, p. 240, 1900. (Names *senilis* type.)
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 35, 1904 (as subgenus).
Kirkaldy, Cat. Hemip., i, p. 52, 1909.

‖*Lioderma* Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 97, 1871. (Logotype
Stål, Enum. Hemip., ii, p. 32, 1872. [*saucia* Say.)
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 377, 1878.
Uhler, Check List, p. 6, 1886.

Liodermion Kirkaldy, Entomol., xxxvii. p. 280, 1904 (n.n. for *Lioderma*
Kirkaldy, Cat. Hemip., p. 53, 1909 (as subgenus). [Uhl).
Zimmer, Univ. Neb. Studies, xi, p. 224, 1912.

100. **Rhytidolomia viridicata** (Walk.)

Walker, Cat. Heter., ii, p. 283, 1867, *Hymenarcys.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 436, 1899, *Pentatoma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 36, 1904, *Pentatoma.*
Zimmer, Univ. Neb. Studies, xi, p. 225, 1912, *Liodermion.* [(as new.)

‖*viridicata* (Uhler), Wheeler's Surv., v., p. 830, pl. 42, fig. 11, 1875, *Lioderma.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 504, 1878, *Lioderma.*
Uhler, Check List, p. 6, 1886, *Lioderma.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894, *Lioderma.*
Localities: Neb., Colo., Mont. (Mexico.)

101. **Rhytidolomia saucia** (Say).

Say, Heter. N. Harm., p. 6, 1831; Fitch reprint, p. 762; Compl. Writ., i, p.
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867, *Pentatoma.* [318, *Pentatoma.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 97, 1871, *Lioderma.*
Stål, Enum. Hemip., ii, p. 34, 1872, *Lioderma.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 378, 1878, *Lioderma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 36, 1904, *Pentatoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909, *Pentatoma.*
Smith, Cat. Ins. N. J., Edn. 3, p. 134, 1910.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 24, 1910.
Localities: Mass., Conn., N. Y., Va., Fla.

102. **Rhytidolomia senilis** (Say)

Say, Heter. N. Harm., p. 5, 1831; Fitch reprint, p. 760; Compl. Writ., i, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 97, 1871, *Lioderma.* [316, *Pentatoma.*

Stål, Enum. Hemip., ii, p. 33, 1872, *Lioderma.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 378, 1878, *Lioderma.*
Distant, Proc. Zool. Soc. Lond. for 1900, p. 811, *Pentatoma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 37, 1904, *Pentatoma.*
Smith, Cat. Ins. N. J., Edn. 3, p. 134, 1910.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 24, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 51, 1912.
oblonga (Westwood), Hope Cat., i, p. 9, No. 83, 1837, *Pentatoma.*
ovalis (Westwood), Hope Cat., i, p. 39, 1837, *Pentatoma.*
grisea (Dallas), List of Hemip., i, p. 246, 1851, *Pentatoma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867, *Pentatoma.*
Localities: N. Y., N. J., Va.

103. **Rhytidolomia belfragei** Stål

Stål, Enum. Hemip., ii, p. 33, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 287, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 37, 1904, *Pentatoma.*
Zimmer, Univ. Neb. Studies, xi, p. 225, 1912, *Liodermion.*
Localities: Ill., Iowa, Neb., "Canada."

104. **Rhytidolomia osborni** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 37, 1904, *Pentatoma.*
Snow, Trans. Kan. Acad. Sci., xx, pt. i, p. 177, 1906, *Pentatoma.*
Localities: Colo., Texas, Ariz.

105. **Rhytidolomia faceta** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 315, 1824; Compl. Writ., ii, p. 242, *Penta-*
Uhler, Hayden's Surv. Terr., Rept. for 1871; p. 399, 1872, *Pentatoma.* [*toma.*
Van Duzee, Trans. Am. Ent. Soc. xxx, p. 38, 1904, *Pentatoma.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906; *Pentatoma.*
Zimmer, Univ. Neb. Studies, xi, p. 225, 1912, *Liodermion.*
Localities: Dak., Neb., Colo., Utah, Ariz., Calif.

Genus **Chlorochroa** Stål

Logotype *ligata* Say

Stål, Enum. Hemip., ii, p. 33, 1872. (As subgen. of *Lioderma.*)
Distant, Biol. Centr. Am. Heter., i, p. 63, 1880. [*toma.*)
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 38, 1904. (As subgen. of *Penta-*
Oshanin, Verz. Palae. Hemip., i, p. 108, 1906. [*ligata* type.)
Kirkaldy, Cat. Hemip., i, p. 53, 1909. (As subgen. of *Rhytidolomia;* names
†*Pentatoma* Fieber, Europ. Hemip., pp. 80, 336, 1861.
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867 (part).
Puton, Cat. Hémip. Palae., Edn. 3, p. 12, 1886.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 119, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 35, 1904.
Banks, Cat. Nearc. Hemip., p. 88, 1912.
†*Lioderma* Provancher, Pet. Faune Ent. Can., iii, p. 41, 1885. [Linn.)
Pitedia Reuter, Rev. Synon., p. 124, No. 55, 1888. (Haplotype *juniperina*

106. **Chlorochroa uhleri** Stål

Stål, Enum. Hemip., ii, p. 33, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876.

Distant, Biol. Centr. Am., Heter., i, p. 64, pl. 6, fig. 18, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 39, 1904, *Pentatoma.*
Forbes, Rept. Ill. St. Ent., xxiii, p. 116, fig. 101, 1905, *Pentatoma.*
Zimmer, Univ. Neb. Studies, xi, p. 225, 1912, *Liodermion.* [*Cimex.*
?flavomarginatus (Kouchakevitch), Horae Soc. Ent. Ross., iv, p. 99, 1867,
†*ligata* (Fitch), 3d Rept. Trans. N. Y. St. Agr. Soc., xvi, p. 389, 1856, *Penta-*
Provancher, Pet. Faune Ent. Can., iii, p. 41, 1885, *Lioderma.* [*toma.*
†*juniperina* (Provancher), Pet. Faune Ent. Can., iii, p. 36, 1885, *Pentatoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894, *Pentatoma.*
Gillette and Baker, Hemip. Colo., p. 15, 1895, *Pentatoma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 39, 1904, *Pentatoma.*
persimilis Hovarth, Ann. Mus. Natl. Hung., vi, p. 555, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 51, 1912.
Localities: Quebec, Ont., Me., Conn., N. Y., N. J., Neb., Colo., Utah, Mont., Idaho, Calif., Alaska. (Mexico.)

107. **Chlorochroa congrua** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 288, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 40, 1904, *Pentatoma.*
Localities: Colo., Utah, Mont., Idaho.

108. **Chlorochroa ligata** (Say)

Say, Heter. N. Harm., p. 5, 1831; Fitch reprint, p. 760; Compl. Writ., i, p. 315,
Stål, Enum. Hemip., ii, p. 33, 1872. [*Pentatoma.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872, *Pentatoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 288, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1323.
Distant, Biol. Centr. Am., Heter., i, p. 64, 1880.
Townsend, Can. Ent., xxiv, p. 193, 1892, *Lioderma.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894.
Gillette and Baker, Hemip. Colo., p. 15, 1895, *Lioderma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 41, 1904, *Pentatoma.*
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 23, 1910, *Pentatoma.*
rufocinctus (Herrich–Schaeffer), Wanz. Ins., iv, p. 94, fig. 436, 1839, *Cimex.*
marginatus (Dallas), List of Hemip., i, p. 277, 1851, *Rhaphigaster.*
Walker, Cat. Heter., iii, p. 357; iii, p. 566, 1867, *Raphigaster.*
rubromarginatus (Kouchakevitch), Horae Soc. Ent. Ross., iv, p. 101, pl. 2, [fig. 4, 1867, *Cimex.*
Localities: Colo., Utah, N. Mex., Ariz., Calif., Vanc. Isd. (Mexico.)

109. **Chlorochroa sayi** Stål

Stål, Enum. Hemip., ii, p. 33, 1872.
Uhler, Wheeler's Surv. 100th Merid., v, p. 831, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 287, 1876; iii, p. 402, 1877.
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1324.
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893, *Lioderma.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894, *Lioderma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 41, 1904, *Pentatoma.*

Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 73, 1910, *Pentatoma.*
granulosa (Uhler), Hayden's Surv. Terr., Rept. for 1871, p. 398, 1872, [*Pentatoma.*
Localities: Kan., Colo., Mont., Idaho, Utah, Nev., Ariz., Calif.

Genus **Carpocoris** Kolen.
Logotype *nigricornis* Fabr. = *pudicus* Poda.

Kolenati, Melet. Ent., iv, p. 45, 1846.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 37, 1872.
Distant, Fauna Br. Ind., Rhyn., i, p. 157, 1902.
Kirkaldy, Cat. Hemip., i, p. 56, 1909. (Names *nigricornis* Fabr. type.)
†*Mormidea* Fieb., Europ. Hemip., p. 334, 1861.

Subgenus **Antheminia** Muls. & Rey
Logotype *lynx* Fabr. = *lunulatus* Goez.

Mulsant and Rey, Punaise de Fr., p. 238, 1866.
Kirkaldy, Cat. Hemip. i., pp. 56, 57, 1909. (Names *lynx* type.)

110. **Carpocoris remotus** Horv.

Horvath, Ann. Mus. Natl. Hung., v, p. 296, 1907.
Banks, Cat. Nearc. Hemip., p. 83, 1910.
†*lynx* Stål, Enum. Hemip., ii, p. 33, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 398, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876.
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893.
Gillette and Baker, Hemip. Colo., p. 16, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 42, 1904.
Localities: N. D., Colo., Mont., Utah, Ariz., Calif.

Genus **Mormidea** Am. & Serv.
Logotype *ypsilon* Linn.

Amyot and Serville, Hémip., p. 134, 1843.
Dallas, List of Hemip., i, p. 210, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 527, 1867.
Stål, Enum. Hemip., ii, p. 19, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 53, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 43, 1885.
Kirkaldy, Cat. Hemip., i, p. 59, 1909. (Names *ypsilon* Linn. type.)
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.

Subgenus **Melanochila** Stål
Haplotype *lugens* Fabr.

Stål, Enum. Hemip., ii, p. 19, 1872.
Kirkaldy, Cat. Hemip., i, p. 59, 1909. (Names *lugens* Fabr. type.)

111. **Mormidea lugens** (Fabr.)

Fabricius, Syst. Ent., p. 716, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 248, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 360, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 297, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., i, pt. 4, p. 2155, 1788, *Cimex.*

Fabricius, Ent. Syst., iv, p. 125, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 187, 1803, *Cydnus.*
Wolff, Icones Cimic., v, p. 186, fig. 180, 1811, *Cydnus.*
Herrich–Schaeffer, Wanz. Ins., v, p. 66, fig. 510, 1889, *Cimex;* vii, p. 96, 1844,
Dallas, List of Hemip., i, p. 248, 1851, *Pentatoma.* [*Pentatoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 103, 1862.
Walker, Cat. Heter., ii, pp. 253, 288, 1867, *Pentatoma;* iii, p. 43, 1868.
Stål, Enum. Hemip., ii, p. 19, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 285, 1876; iii, p. 402, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 376, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 54, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 43, 1885.
Van Duzee, Can. Ent., xxi, p. 2, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 42, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 226, 1912.

albipes (Fabricius), Ent. Syst., Suppl., p. 535, 1798, *Cimex.*
Fabricius, Syst. Rhyng., p. 177, 1803, *Cimex.* [n.n. for *albipes* Fabr.).

gamma (Fabricius), Syst. Rhyng., Emmend. at end of volume, 1803, *Cimex*
Say, Heter., N. Harm., p. 10, 1831; Fitch reprint, p. 767; Compl. Writ., [i, p. 322, *Pentatoma.*

punctipes (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 113, pl. Hémip. 8, [fig. 6, 1805, *Pentatoma.*

‖*punctipes* (Say), Jl. Acad. Nat. Sci. Phila., iv, p. 313, No. 4, 1825, *Penta-*
Say, Compl. Writ., ii, p. 241, 1859. [*toma.*

Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., D. C., Va., N. C., S. C., Fla., Wisc., Neb., Kan., Okl., Dak., Wyo., Colo., Texas. (West Indies, Mexico.)

Subgenus **Mormidea** Am. & Serv.

Stål, Enum. Hemip., ii, p. 19, 1872.

112. **Mormidea pictiventris** Stål

Stål, Stet. Ent. Zeit., xviii, p. 103, 1862.
Stål, Enum. Hemip., ii, p. 20, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 55, pl. 5, fig. 11, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 42, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 7, 1907.

Localities: Fla., Texas. (West Indies, Mexico.)

113. **Mormidea sordidula** Stål

Stål, Enum. Hemip., ii, p. 21, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 285, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 43, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 7, 1907.

Localities: Texas, N. Mex. (Neotropical.)

114. **Mormidea tetra** Walk.

Walker, Cat. Heter., iii, p. 551, 1868.
Distant, Biol. Centr. Am., Heter., i, p. 56, pl. 6, fig. 6, 1880.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 43, 1904.
Snow, Trans Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
grisescens Stål, Enum. Hemip., ii, p. 21, 1872.
Localities: Texas, Ariz. (Mexico.)

115. **Mormidea punctifer** (Walk.)

Walker, Cat. Heter., ii, p. 274, 1867, *Eysarcoris.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 437, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 78, 1904.
Locality: Calif.

116. **Mormidea guerini** L. & S.

Lethierry and Severin, Cat. Génl. Hémip., i, p. 123, 1893 (n.n. for *geographica*
†*geographica* Guerin, Hist. de Cuba, Ins., p. 369, 1857. [Guer.).
Localities: Fla. (Cuba.)

Genus **Solubea** Bergr.
Logotype *typhaeus* (Fabr.) = *pugnax* (Fabr.)

Bergroth, Rev. d'Ent., x, p. 235, 1891 (n.n. for *Oebalus* Stål).
Kirkaldy, Cat. Hemip., i, p. 61, 1909. (Names *pugnax* Fabr. type.)
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.
‖*Oebalus* Stål, Stet. Ent. Zeit., xxiii, p. 102, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 527, 1867.
Stål, Enum. Hemip., ii, p. 22, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 56, 1880.

117. **Solubea pugnax** (Fabr.)

Fabricius, Syst. Ent., p. 704, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 238, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 348, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 285, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2140, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 100, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 161, 1803, *Cimex.*
Stål, Enum. Hemip., ii, p. 22, 1872, *Oebalus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 285, 1876, *Oebalus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 377, 1878, *Oebalus.*
Distant, Biol. Centr. Am., Heter., i, p. 56, 1880, *Oebalus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 43, 1904, *Oebalus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 24, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 52, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 226, 1912.
typhoeus (Fabricius), Syst. Rhyng., p. 162, 1803, *Cimex.*
Wolff, Icon. Cimic., v, p. 180, fig. 174, 1811, *Cimex.*
Dallas, List of Hemip., i, p. 216, 1851, *Mormidea.*
Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 370, 1857, *Pentatoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 102, 1862.
Walker, Cat. Heter., ii, p. 253, 1867, *Mormidea.*
Stål, Hemip. Fabr., i, p. 27, 1868. [fig. 9, 1805, *Pentatoma.*
orthocantha (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 130, pl. Hémip. 9,

augur (Say), Heter. N. Harm., p. 3, 1831; Fitch reprint, p. 758; Compl. [Writ., i, p. 313, *Pentatoma.*

vitripennis (Burmeister), Handb. d. Ent., ii, p. 367, 1835, *Cimex.*

Localities: N. Y., N. J., Pa., Md., D. C., N. C., S. C., Ga., Fla., Miss., Ohio, Ia., Neb., Kan., Colo., Texas, Ariz. (West Indies, Mexico.)

Genus **Euschistus** Dall.

Logotype *tristigmus* (Say)

Dallas, List of Hemip., i, p. 201, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867.
Walker, Cat. Heter., ii, p. 243, 1867.
Stål, Enum. Hemip., ii, p. 23, 1872 (names *tristigmus* type).
Distant, Biol. Centr. Am., Heter., i, p. 58, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 36, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 43, 1904. (Key.)
Kirkaldy, Cat. Hemip., i, p. 63, 1909. (Names *apicalis* Dall. pseudotype.)
Zimmer, Univ. Neb. Studies, xi, pp. 222, 227, 1912.

Subgenus **Euschistus** Dall.

Stål, Enum. Hemip., ii, p. 26, 1872.

118. **Euschistus servus** (Say)

Say, Heter. N. Harm., p. 4, 1831; Fitch reprint, p. 759; Compl. Writ., i, p.
Stål, Enum. Hemip., ii, p. 26, 1872. [314, *Pentatoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876; iii, p. 402, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1323.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 375, 1878.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 811.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 45, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 75, 1910.

?harrisii (Westwood), Hope Cat., i, p. 41, 1837, *Pentatoma.*
Distant, Proc. Zool. Soc. Lond. for 1900, p. 818, pl. 52, fig. 2,
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 42, 1904.

spilota (Westwood), Hope Cat., i, p. 42, 1837, *Pentatoma.*

Localities: Mass., N. J., Pa., Md., D. C., Va., N. C., S. C., Ga., Fla., Miss., La., Ill., Dak., Colo., N. Mex., Texas.

119. **Euschistus latimarginatus** Zim.

Zimmer, Can. Ent., lii, p. 167, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 227, 1912.

Localities: Neb., Colo.

120. **Euschistus impictiventris** Stål

Stål, Enum. Hemip., ii, p. 26, 1872.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1323.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 45, 1904.

?jugalis Provancher, Pet. Faune Ent. Can., iii, p. 204, 1888.
Van Duzee, Can. Ent., xliv, p. 325, 1912.

Localities: Colo., N. Mex., Texas, Utah, Vanc. Isd.

121. **Euschistus euschistoides** (Voll.)

Vollenhoven, Versl. Med. Kon. Akad. Wetens. Amst., Ser. 2, ii, p. 180, 1868,
Kirkaldy, Cat. Hemip., i, p. 64, 1909. [*Diceraeus.*
fissilis Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 96, 1871.
Stål, Enum. Hemip., ii, p. 26, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 396, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1323.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 375, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 36, 1885.
Van Duzee, Bul. Buf. Soc. Nat Sci., v, p. 171, 1894.
Gillette and Baker, Hemip. Colo., p. 14, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 44, 1904.
Bueno and Engelhardt, Can. Ent., xlii, p. 148, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 227, 1912.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., N. C., Ohio, Ill., Neb., Colo., Mont., Vanc. Isd.

122. **Euschistus conspersus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 388, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 46, 1904.
Localities: Calif., Wash., Vanc. Isd.

123. **Euschistus inflatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxix, p. 107, 1903; xxx, p. 45, 1904.
Localities: Colo., N. Mex.

124. **Euschistus politus** Uhl.

Uhler, Can. Ent., xxix, p. 117, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 46, 1904.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 52, 1912.
Localities: N. H., Mass., R. I., N. Y., N. J., Md., D. C., Ohio.

125. **Euschistus tristigmus** (Say)

Say, Heter. N. Harm., p. 4, 1831; Fitch reprint, p. 758; Compl. Writ., i, p.
Uhler, Proc. Ent. Soc. Phila., i, p. 23, 1861. [314, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 26, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876.
Distant, Biol. Centr. Am. Heter., i, p. 58, pl. 5, figs. 20, 21, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 36, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 812.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 47, 1904.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 52, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 228, 1912.
inconspecta (Westwood), Hope Cat., i, p. 42, 1837.
Dallas, List of Hemip., i, p. 206, 1851.
‖*tristigmus* (Herrich–Schaeffer), Wanz. Ins., vii, pp. 95, 101, fig. 767, 1844,
Dallas, List of Hemip., i, p. 207, 1851. [*Pentatoma* (as new).
Herrich–Schaeffer, Wanz. Ins., Verz., p. 96, 1853.
luridus Dallas, List of Hemip., i, p. 207, pl. 7, fig. 6, 1851.

a. var. **pyrrhocerus** (H. S.)
Herrich–Schaeffer, Wanz. Ins., vi, p. 71, fig. 638, 1842, *Cimex.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 396, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 47, 1904.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Md., D. C., Va., N. C., Ga., Fla., Ia., Neb., Kan., Okl., Mo., La., Colo.

126. **Euschistus variolarius** (P. B.)

Palisot–Beauvois, Ins. Rec. Afr. Am., p. 149, pl. Hémip. 10, fig. 6, 1805, [*Pentatoma.*
Stål, Enum. Hemip., ii, p. 26, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 285, 1876; iii, p. 402, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 374, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 47, 1904.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 53, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 228, 1912.
‖*punctipes* (Say), Jl. Acad. Nat. Sci. Phila., iv, p. 314, No. 5, 1825; Compl. Writ., ii, p. 241, *Pentatoma.*
Dallas, List of Hemip., i, p. 207, 1851.
Herrich–Schaeffer, Wanz. Ins., Verz., p. 96, 1853.
sordidus (Herrich–Schaeffer), Wanz. Ins., vi, p. 70, fig. 637, 1842, *Cimex;* [vii, p. 95, 1844, *Pentatoma;* Verz., p. 96, 1853.
†*ictericus* (Herrich–Schaeffer), Wanz. Ins., vi, p. 71, fig. 639, 1842, *Cimex;* [vii, p. 95, 1844, *Pentatoma;* Verz., p. 95, 1853.
Localities: Ont., N. Y., N. J., Pa., D. C., Neb., Kan., Colo., Utah, Idaho.

127. **Euschistus ictericus** (Linn.)

Linnaeus, Cent. Ins., p. 16, 1763, *Cimex.*
Linnaeus, Amoen. Acad., vi, p. 399, 1763, *Cimex.*
Linnaeus, Syst. Nat., Edn. 12, i, pt. 2, p. 719, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 702, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 192, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 345, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 284, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2136, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 95, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 157, 1803, *Cimex.*
Dallas, List of Hemip., i, p. 206, 1851 (excel. synon.).
Walker, Cat. Heter., ii, p. 243, 1867; iii, p. 451, 1868, *Aceratodes.*
Stål, Enum. Hemip., ii, p. 26, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 47, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 228, 1912.
rubrofusca (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 185, pl. Hemip. 11, fig. 3, 1805, *Pentatoma.*
?cognatus Dallas, List Hemip., i, p. 204, 1851.
Localities: Ont., N. Y., N. J., N. C., Fla., Ill., Wisc., Neb., Colo., Texas.

128. **Euschistus bifibulus** (P. B.)

Palisot–Beauvois, Ins. Rec. Afr. Am., p. 148, pl. Hémip. 10, fig. 5, 1805, [*Pentatoma.*
Dallas, List of Hemip., i, p. 204, 1851.

Herrich–Schaeffer, Wanz. Ins., Verz., p. 95, 1853.
Stål, Stet. Ent. Zeit., xxiii, p. 100, 1862.
Stål, Enum. Hemip., ii, p. 27, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 59, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 48, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 259, 1906.
Snow, Trans. Kan. Acad. Sci., xx, p. 151, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 7, 1907; ix, p. 155, 1909.
Localities: Fla., Texas. (Neotropical.)

129. **Euschistus crenator** (Fabr.)

Fabricius, Ent. Syst., iv, p. 101, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 162, 1803, *Cimex.*
Stål, Hemip. Fabr., i, p. 26, 1868.
Stål, Enum. Hemip., ii, p. 27, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1323.
Distant, Biol. Centr. Am., Heter., i, p. 59, 1880.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 172.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 229, 1894.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 437, 1899.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 48, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 7, 1907.
♂*obscura* (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 149, pl. Hémip. 10, [fig. 7 (not fig. 9), 1805, *Pentatoma.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 366, 1857, *Pentatoma.*
pustulata (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 185, pl. Hémip. 11, [fig. 2, 1805, *Pentatoma.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 95, 1853. (As synon. of [*ictericus* Linn.)
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 368, 1857, *Pentatoma.*
‖*obscurus* Dallas, List of Hemip., i, p. 208, 1851.
Stål, Stet. Ent. Zeit., xxiii, p. 100, 1862.
conterminus Walker, Cat. Heter., ii, p. 248, 1867.
melanocantha (Walker), Cat. Heter., iii, p. 552, 1868, *Mormidea.*
Localities: Texas, Ariz., Calif. (Neotropical.)

130. **Euschistus spurculus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 100, 1862.
Stål, Enum. Hemip., ii, p. 28, 1872.
Signoret, Bul. Ent. Soc. Fr. for 1877, p. xxxvi (use as food).
Distant, Biol. Centr. Am., Heter., i, p. 59, pl. 6, fig. 10, 1880; p. 330, 1890.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Barber, Jl. N. Y., Ent. Soc., xviii, p. 34, 1910.
Localities: Ariz. (Mexico.)

131. **Euschistus comptus** Walk.

Walker, Cat. Heter., iii, p. 550, 1868.
Stål, Enum. Hemip., ii, p. 28, 1872.
Distant, Biol. Cent. Am., Heter., i, p. 60, pl. 6, fig. 11, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 48, 1904.
Localities: Texas. (Neotropical.)

132. **Euschistus crassus** Dall.

Dallas, List of Hemip., i, p. 205, 1851.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 48, 1904.
Localities: Ga., Fla.

133. **Euschistus biformis** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 100, 1862.
Walker, Cat. Heter., iii, p. 550, 1868.
Stål, Enum. Hemip., ii, p. 28, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 60, pl. 5, fig. 15, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 77, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Localities: Ariz. (Mexico.)

134. **Euschistus zopilotensis** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 330, pl. 31, fig. 9, 1890.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 48, 1904.
Localities: Texas. (Mexico.)

Subgenus **Paraschistus** Kirk.
Orthotype *integer* Stål

Kirkaldy, Cat. Hemip., i, p. 63, 1909.

135. **Euschistus integer** Stål

Stål, Enum. Hemip., ii, p. 28, 1872.
Distant, Biol. Cent. Am., Heter., i, p. 60, pl. 7, fig. 5, 1880.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Localities: Ariz. (Mexico.)

Genus **Padaeus** Stål
Logotype *irroratus* (H. S.) = *viduus* (Voll.)

Stål, Stet. Ent. Zeit., xxiii, p. 101, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 528, 1867.
Distant, Biol. Centr. Am., Heter., i, p. 61, 1880.
Kirkaldy, Cat. Hemip., i, p. 68, 1909. (Names *irroratus* = *viduus* type.)

136. **Padaeus viduus** (Voll.)

Vollenhoven, Versl. Med. Kon. Akad. Weten., Amst., Ser. 2, ii, p. 180, 1868,
Kirkaldy, Cat. Hemip., i, p. 69, 1909. [*Mormidea.*
‖*irroratus* (Herrich–Schaeffer), Wanz. Ins., iv, p. 19, fig. 367, 1839, *Cimex.*
Herrich–Schaeffer, Wanz. Ins., vii, p. 94, 1844, *Pentatoma.*
Dallas, List of Hemip., i, p. 215, 1851, *Mormidea.*
Stål, Stet. Ent. Zeit., xxiii, p. 101, 1862.
Stål, Enum. Hemip., ii, p. 29, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 61, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 78, 1904.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Localities: Ariz. (not Fla.). (Neotropical.)

Genus **Proxys** Spin.
Haplotype *victor* Fabr.

Spinola, Essai sur les Hémip., p. 325, 1837 (1840).
Stål, Of. Vet. Akad. Forh., xxiv, p. 527, 1867.

Distant, Biol. Centr. Am., Heter., i, p. 62, 1880.
‡*Prooxys* Amyot and Serville, Hémip., p. 139, 1843.
‡*Proxis* Spinola, Tavola Sinot., p. 36, 1850.

137. **Proxys albopunctulatus** (P. B.)

Palisot-Beauvois, Ins. Rec. Afr. Am., p. 130, pl. Hémip. 9, fig. 8, 1805, *Penta-*
Stål, Enum. Hemip., ii, p. 29, 1872. [*toma.*
Distant, Biol. Centr. Am., Heter., i, p. 62, 1880.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 438, 1899.
——— Stoll, Punais., figs. 159, 230, 1790 (without name).
†*victor* (Herrich-Schaeffer), Wanz. Ins., iv, p. 21, fig. 369, 1839, *Cimex.*
Herrich-Schaeffer, Wanz. Ins., vii, p. 94, 1844, *Pentatoma.*
§*albopunctatus* Uhler, Check List, p. 6, 1886.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Localities: "Southern States" (Uhler), doubtful.

138. **Proxys punctulatus** (P. B.)

Palisot-Beauvois, Ins. Rec. Afr. Am., p. 188, pl. Hémip. 11, fig. 9, 1805,
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 370, 1857, *Pentatoma.* [*Halys.*
Stål, Enum. Hemip., ii, p. 29, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 286, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 63, 1880.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 229, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Bueno and Brimley, Ent. News., xviii, p. 442, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
†*victor* (Wolff), Icon. Cimic., v, p. 181, fig. 175, 1811, *Cimex.*
Amyot and Serville, Hémip., p. 140, 1843, *Prooxys.*
tenebrosa (Say), Ins. Louis., p. 10, 1832; Heter. N. Harm., p. 10, 1832;
[Fitch reprint, p. 767; Compl. Writ., i, pp. 304, 322, *Pentatoma.*
†*delirator* Amyot and Serville, Hémip., p. 140, pl. 3, fig. 7, 1843, *Prooxys.*
brevispinus Guerin *in* Sagra, Hist. de Cuba, Ins., p. 371, 1857.
geniculata Stål, Stet. Ent. Zeit., xxiii, p. 102, 1862, *Prooxys.*
Localities: Pa., N. C., Ga., Fla., La., Okl., Texas. (Neotropical.)

Genus **Coenus** Dall.
Haplotype *tarsalis* Dall. = *delius* (Say)

Dallas, List of Hemip., i, pp. 194, 230, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 526, 1867.
Provancher, Pet. Faune Ent. Can., iii, p. 40, 1885.
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.

139. **Coenus delius** (Say)

Say, Heter. N. Harm., p. 8, 1831; Fitch reprint, p. 765; Compl. Writ., i, p.
Stål, Of. Vet. Akad. Forh., xxiv, p. 526, 1867. [320, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 30, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 396, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 287, 1876; iv, p. 504, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 376, 1878.
Provancher, Pet. Faune Ent. Can., ii, p. 40, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Gillette and Baker, Hemip. Colo., p. 15, 1895.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 53, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 229, 1912.
aeruginosa (Amyot and Serville), Hémip., p. 125, 1843, *Hymenarcys.*
Walker, Cat. Heter., ii, p. 282, 1867, *Hymenarcys.*
tarsalis, Dallas, List of Hemip., i, p. 230, pl. 8, fig. 6, 1851. [ii, p. 183, 1868.
punctatissimus Vollenhoven, Versl. Med. Kon. Akad. Weten., Amst., Ser.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., Fla., Ill., Wisc., Neb., Colo., Okl., Texas, Mont., Br. Col.

Genus **Hymenarcys** Am. & Serv.

Logotype *perpunctata* Am. & Serv. = *nervosa* Say.

Amyot and Serville, Hémip., p. 124, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 526, 1867.
Stål, Enum. Hemip., ii, p. 30, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 63, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 39, 1885.
Kirkaldy, Cat. Hemip., i, p. 72, 1909. (Names *nervosa* Say type.)
Zimmer, Univ. Neb. Studies, xi, pp. 222, 229, 1912.
‡*Hymenarcis* Spinola, Tavola Sinot., p. 36, 1850.

140. **Hymenarcys aequalis** (Say)

Say, Heter. N. Harm., p. 7, 1831; Fitch reprint, p. 764; Compl. Writ., i, p. [319, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 30, 1872.
Uhler, Hayden's Surv., Rept. for 1871, p. 396, 1872.
Uhler, Bul. U S.. Geol. Geog. Surv., i, p. 287, 1876.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 229, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 259, 1906.
Zimmer, Univ. Neb. Studies, xi, p. 229, 1912.
dentatus (Herrich-Schaeffer), Wanz. Ins., v, p. 64, fig. 507, 1839, *Cimex.*
Herrich-Schaeffer, Wanz. Ins., vii, p. 95, 1842, *Pentatoma.*
Walker, Cat. Heter., ii, p. 288, 1867, *Pentatoma.*
boxura (Dallas), List of Hemip., i, p. 244, 1851, *Pentatoma.*
Localities: Mass., N. Y., N. J., Md., D. C., N. C., Ga., Fla., Miss., Ohio, Ind., Ill., Mo., Dak., Neb., Kan., Colo., Okl., Texas, Mont., Sask.

141. **Hymenarcys reticulata** Stål

Stål, Enum. Hemip., ii, p. 30, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 63, pl. 6, fig. 17, 1880.
Localities: Ariz. (Mexico.)

142. **Hymenarcys crassa** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 387, 1897.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 158, 1907.
Locality: Ariz.

143. **Hymenarcys nervosa** (Say)

Say, Heter. N. Harm., p. 9, 1832; Fitch reprint, p. 766; Compl. Writ., i, p.
Walker, Cat. Heter., ii, p. 283, 1867. [321, *Pentatoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 287, 1876.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 375, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 40, pl. 1, fig. 11, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 229, 1912.
pennsylvaniae (Westwood), Hope Cat., i, p. 35, 1837, *Pentatoma.*
perpunctata Amyot and Serville, Hémip., p. 124, 1843.
Stål, Of. Vet. Akad. Forh., xix, p. 502, 1862.
Localities: Quebec, Mass., N. Y., N. J., Pa., Md., D. C., Va., N. C., S. C., Ga., Fla., Ind., Ill., Mo., Dak., Neb.. Okl., Texas.

Genus **Aelia** Fabr.
Orthotype *acuminata* Linn.

Fabricius, Syst. Rhyng., p. 188, 1803.
Fallén, Hemip. Suec. Cimic., p. 33, 1829.
Hahn, Wanz. Ins., i, p. 120, 1831.
Leach, Brewster's Edinb. Encyc., Am. Edn.. viii, p. 710, 1832.
Laporte, Essai Classif. Syst. Hémip., p. 66, 1832.
Herrich-Schaeffer, Nomen. Ent., i, pp. 37, 55, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 401, 1835. (Names *acuminatus* type.)
Spinola, Essai sur les Hémip., p. 313, 1837 (1840).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840.
Blanchard, Hist. des Ins., Hémip., p. 154, 1840.
Amyot and Serville, Hémip., p. 133, 1843.
Spinola, Tavola Sinot., p. 36, 1850.
Dallas, List of Hemip., i, p. 222, 1851.
Gorski, Anal. Ent., i, p. 71, 1852 (subgen. of *Pentatoma*).
Flor, Rhyng. Livl., i, p. 118, 1860 (Subgen. I.).
Fieber, Europ. Hemip., pp. 82, 350, 1861.
Douglas and Scott, Br. Hemip., p. 68, 1865.
Mulsant and Rey, Punaise de Fr., Pent., p. 128, 1866.
Stål, Of. Vet. Akad. Forh., xxix, p. 36, 1872.
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.
†*Cimex* Burmeister, Handb. d. Ent., ii, p. 366, 1835 (in part).

144. **Aelia americana** Dall.

Dallas, List of Hemip., i, p. 223, 1851.
Walker, Cat. Heter., ii, p. 271, 1867.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876.
Gillette and Baker, Hemip. Colo., p. 14, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 49, 1904.
Zimmer, Univ. Neb. Studies, xi, p. 229, 1912.
Localities: Dak., Neb., Colo., Mont., Manitoba.

Genus **Neottiglossa** Kby.
Haplotype *trilineata* Kirby

Kirby, Richardson's Fauna Bor. Am., iv, p. 276, 1837.
Stål, Of. Vet. Akad. Forh., xxix, p. 36, 1872.
Stål, Enum. Hemip., ii, p. 18, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 38, 1885.

Zimmer, Univ. Neb. Studies, xi, pp. 222, 230, 1912.
†*Eysarcoris* Spinola, Essai sur les Hémip., p. 310, 1837 (1840).
Aelioides Dohrn, Stet. Ent. Zeit., xxi, p. 101, 1860. (Orthotype *inflexa*
Douglas and Scott, Br. Hemip., p. 70, 1865. [Wolff.)
Mulsant and Rey, Punaise de Fr., Pent., p. 142, 1866. [Fieb.)
Platysolen Fieber, Europ. Hemip., pp. 82, 353, 1861. (Logotype *griseus*
Subgenus **Neottiglossa** Kby.
Stål, Enum. Hemip., ii, p. 18, 1872.

145. **Neottiglossa undata** (Say)

Say, Heter. N. Harm., p. 8, 1831; Fitch reprint, p. 764; Compl. Writ., i, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 96, 1871. [319, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 18, 1872.
Uhler, Hayden's Surv. Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876; iii, p. 401, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 376, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 39, 1885.
Macgillivray and Houghton, Ent. News, xiv, p. 263, 1903, *Mormidea.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 50, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 548, 1905.
Van Duzee, Can. Ent., xliv, p. 318, 1912.
Zimmer, Univ. Neb. Studies, xi, 230, 1912.
†*americana* (Provancher), Pet. Faune Ent. Can., iii, p. 38, 1885, *Aelia.*
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Ohio, Ill., Wisc., Minn., Neb., Colo., Calif., Vanc. Isd.

146. **Neottiglossa trilineata** (Kby.)

Kirby, Richardson's Fauna Bor. Am., iv, p. 276, pl. 6, fig. 6, 1837, *Pentatoma.*
Kirby *in* Bethune's reprint, p. 135, *Pentatoma.*
Dallas, List of Hemip., i, p. 224, 1851, *Aelia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 401, 1877.
Uhler, Can. Ent., x, p. 138, 1878.
Localities: Dak., Neb., Manitoba, Br. Col.

Subgenus **Texas** Kirk.
Logotype *sulcifrons* Stål

Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Melanostoma* Stål).
Kirkaldy, Cat. Hemip., i, pp. 79, 80, 1909. (Names *sulcifrons* type.) [Stål.)
‖*Melanostoma* Stål, Enum. Hemip., ii, p. 18, 1872. (Logotype *sulcifrons*

147. **Neottiglossa sulcifrons** Stål

Stål, Enum. Hemip., ii, p. 18, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876; iii, p. 402, 1877, *Melan-*
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893. [*ostoma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 50, 1904.
Bueno and Brimley, Ent. News, xviii, p. 442, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 135, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 230, 1912.
Localities: N. J., Md., D. C., N. C., Ga., Neb., Kan., Utah, Texas.

148. **Neottiglossa cavifrons** Stål

Stål, Enum. Hemip., ii, p. 18, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 50, 1904.
Localities: Texas, Utah, Calif.

Genus **Cosmopepla** Stål

Logotype *carnifex* Fabr. = *bimaculata* Thom.

Stål, Of. Vet. Akad. Forh., xxiv, p. 525, 1867.
Stål, Enum. Hemip., ii, p. 18, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 52, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 44, 1885.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 45, 1893. (Synopsis of species.)
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 50, 1904. (Key.)
Kirkaldy, Cat. Hemip., i, p. 80, 1909. (Names *carnifex* type.)
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.

149. **Cosmopepla bimaculata** (Thom.)

Thomas, Trans. Ill. St. Ag. Soc., v, p. 455, 1865, *Pentatoma.*
‖*carnifex* (Fabricius), Ent. Syst. Suppl., p. 535, 1798, *Cimex.*
Coquebert, Illust. Icon. Ins., ii, p. 81, pl. 19, fig. 3, 1801, *Cimex.*
Fabricius, Syst. Rhyng., p. 117, 1803. *Cimex.*
Hahn, Wanz. Ins., ii, p. 117, 1834, *Eysarcoris.*
Kirby, Richardson's Fauna Bor. Am., iv, p. 275, 1837, *Pentatoma.*
Dallas, List of Hemip., i, p. 225, 1851, *Eysarcoris.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 153, 1853, *Pentatoma.*
Walker, Cat. Heter., ii, p. 274, 1867, *Eysarcoris.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 525, 1867.
Stål, Hemip. Fabr., i, p. 28, 1868.
Stål, Enum. Hemip., ii, p. 18, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876; iii, p. 402, 1877;
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 376, 1878. [iv, p. 504, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 44, 1885.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 46, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 51, 1904.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 54, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 231, 1912.
lintneriana Kirkaldy, Cat. Hemip., i, p. 80, 1909 (n.n. for *carnifex* Fabr.)
Localities: Quebec, Ont., Nov. Sco., Me., N. H., Mass., N. Y., N. J., Pa., D. C., N. C., Ga., Miss., Ohio, Ill., Mo., Neb., Kan., Okl., Texas, Colo., Utah, Mont., Ariz., Wash.

150. **Cosmopepla uhleri** Montd.

Montandon, Proc. U. S. Natl. Mus., xvi, p. 48, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 51, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Localities: Neb., Ariz., Nevada, Calif.

151. **Cosmopepla conspicillaris** (Dall.)

Dallas, List of Hemip., i, p. 225, 1851, *Eysarcoris.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 153, 1853, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 19, 1872.
Uhler, Wheeler's Surv., 100th Merid., v, p. 830, 1875. - U.S. Geogr. Survey West of 100th Meri
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 53, pl. 5, fig. 8, 1880.
Montandon, Proc. U. S. Natl. Mus., xvi, pp. 46, 49, 1893.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 229, 1894.
Gillette and Baker, Hemip. Colo., p. 14, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 51, 1904.
Localities: Colo., Utah, Mont., Calif., Oregon, Wash., Vanc. Isd.

152. **Cosmopepla binotata** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 327, pl. 31, fig. 7, 1889.
Montandon, Proc. U. S. Natl. Mus., xvi, pp. 46, 49, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 51, 1904.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Localities: Wis., Ariz. (Mexico.)

153. **Cosmopepla decorata** (Hahn)

Hahn, Wanz. Ins., ii, p. 117, fig. 198, 1834, *Eysarcoris*.
Dallas, List of Hemip., i, p. 225, 1851, *Eysarcoris*.
Herrich–Schaeffer, Wanz. Ins., vii, 96, 1853, *Pentatoma*.
Stål, Enum. Hemip., ii, p. 19, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 284, 1876.
Distant, Biol. Centr. Am., Heter, i, p. 53, 1880.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 46, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 52, 1904.
Barber, Brookl. Inst., Sci. Bul., i, p. 259, 1906.
Localities: Ariz., Texas. (Mexico.)

Genus **Eysarcoris** Hahn
Logotype *perlatus* Fabr. = *aeneus* Scop.

Hahn, Wanz. Ins., ii, p. 66, 1834.
Spinola, Tavola Sinot., p. 35, 1850. (Spelled *Cysarcoris* by error.)
Dallas, List of Hemip., i, p. 224, 1851.
Stål, Hemip. Afr., i, p. 135, 1864.
Douglas and Scott, Br. Hemip., p. 74, 1865.
Stål, Of. Vet. Akad. Forh., xxix, p. 37, 1872.
Kirkaldy, Cat. Hemip., i, p. 82, 1909. (Names *aeneus* type.)
‡*Eusarcoris* Fieber, Europ. Hemip., pp. 79, 331, 1861.
Mulsant and Rey, Punaise de Fr., Pent., p. 37, 1866.
Oshanin, Verz. Palae. Hemip., p. 95, 1906.
‡*Eysarcocoris* Stål, Hemip. Afr., i, p. 135, 1864.
‡*Eusarcocoris* Marshall, Ent. Mo. Mag., iv, pp. 260, 281, 1868.
Distant, Fauna Br. Ind., Rhyn., i, p. 165, 1902. [Stål.)
Analocus Stål, Of. Vet. Akad. Forh., xxix, p. 36, 1872. (Logotype *misellus*

154. **Eysarcoris intergressus** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 52, 1904.
†*melanocephalus* (Uhler), Bul. U. S. Geol. Geog. Surv., i, pl. 19, fig. 7, 1876.
Gillette and Baker, Hemip. Colo., p. 14, 1895, *Neottiglossa*.
Localities: Kan., Colo., Utah, Mont., Idaho, Calif., Vanc. Isd.

Genus **Menecles** Stål
Orthotype *incertus* Say

Stål, Of. Vet. Akad. Forh., xxiv, p. 527, 1867.
Zimmer, Univ. Neb. Studies, xi, p. 223, 1912.

155. **Menecles incertus** (Say)

Say, Heter. N. Harm., p. 6, 1831; Fitch reprint, p. 762; Compl. Writ., i, [p. 317, *Pentatoma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 527, 1867.
Stål, Enum. Hemip., ii, p. 31, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 287, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 375, 1878.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 52, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 136, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 231, 1912.

Localities: Ont., Mass., N. Y., N. J., Pa., Ohio, Ill., Mo., Neb., Kan., Ark., Ariz., Calif.

Genus **Prionosoma** Uhl.
Haplotype *podopioides* Uhl.

Uhler, Proc. Am. Ent. Soc., ii, p. 363, 1863.
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.

156. **Prionosoma podopioides** Uhl.

Uhler, Proc. Am. Ent. Soc., ii, p. 364, 1863.
Stål, Enum. Hemip., ii, p. 33, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 394, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876; iii, p. 401, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1323.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Gillette and Baker, Hemip. Colo., p. 13, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 52, 1904.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 231, 1912.
villosum Prov., Pet. Faune Ent. Can., iii, p. 204, 1889.

Localities: Neb., Colo., Utah, N. Mex., Ariz., Nev., Calif., Vanc. Isd.

Genus **Thyanta** Stål
Logotype *perditor* Fabr.

Stål, Rio Jan. Hemip., ii, p. 58, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 529, 1867.
Stål, Enum. Hemip., ii, p. 34, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 42, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 52, 1904. (Key.)
Kirkaldy, Cat. Hemip., i, p. 94, 1909. (Names *perditor* type.)
Zimmer, Univ. Neb. Studies, xi, pp. 222, 232, 1912.

157. **Thyanta perditor** (Fabr.)

Fabricius, Ent. Syst., iv, p. 102, 1794, *Cimex.*
Fabricius. Syst. Rhyng., p. 163, 1803, *Cimex.*
Dallas, List of Hemip., i, p. 206, 1851, *Euschistus.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 367, 1857, *Pentatoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 104, 1862.
Walker, Cat. Heter., ii, p. 247, 1867, *Euschistus.*
Stål, Hemip. Fabr., i, p. 29, 1868.

?Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876; iii, p. 404, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Distant, Biol. Centr. Am., Heter., i, p. 66, 1880.
Berg., Hemip. Argent. Add., p. 182, 1884.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 173, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 53, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 9, 1907.
Zimmer, Univ. Neb. Studies, xi, p. 232, 1912. [fig. 8, 1805, *Pentatoma.*

fascifera (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 160, pl. Hémip. 10, *collaris* (Westwood), Hope Cat., i, p. 40, 1837, *Pentatoma.*

dimidiatus (Herrich–Schaeffer), Wanz. Ins., vi, p. 66 (under name *trans-*[*versalis*), fig. 629, 1842, *Cimex.*

Herrich–Schaeffer, Wanz. Ins., vii, p. 94, 1844, *Pentatoma.* (Herrich–Schaeffer has here transferred the name and reference for this species to the one preceding it.)

?rubiginosus (Dallas), List of Hemip., i, p. 206, 1851, *Euschistus.*

fasciatus (Walker), Cat. Heter., ii, p. 245, 1867, *Euschistus.*

adjunctor (Walker), Cat. Heter., ii, p. 249, 1867, *Euschistus.*

Localities: Fla., Ariz. (Neotropical.) (More northerly localities probably refer to the next.)

158. **Thyanta custator** (Fabr.)

Fabricius Syst. Rhyng., p. 164, 1803, *Cimex.*
Dallas, List of Hemip., i, p. 251, 1851, *Pentatoma.*
Stål, Rio Jan. Hemip., ii, p. 58, 1862.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872.
Stål, Enum. Hemip., ii, p. 34, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 289, 1876; iii, p. 404, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 380, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 42, 1885.
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 230, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 171, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 53, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 260, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 155, 1909.
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 84, 1910.
Barber, Jl. N. Y. Ent. Soc., xix, p. 109, 1911.
Zimmer, Univ. Neb. Studies, xi, p. 232, 1912.

Localities: Quebec, Mass., Conn., N. Y., N. J., Pa., N. C., Ga., Fla., Miss., Tenn., Ia., Dak., Neb., Mo., Colo., Utah, Texas, Ariz., Calif., Oregon, Vanc. Isd.

159. **Thyanta pallido-virens** (Stål)

Stål, Freg. Eug. Resa, Ins., p. 227, 1859, *Pentatoma.*
Stål, Rio Jan. Hemip., ii, p. 58, 1862.
Stål, Enum. Hemip., ii, p. 35, 1872.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 231, 1894.
†*custator* Kirkaldy, Cat. Hemip., i, p. 94, 1909 (in part).

Locality: Calif.

160. **Thyanta calceata** (Say)

Say, Heter. N. Harm., p. 8, 1831; Fitch reprint, p. 765; Compl. Writ., i, p. 320, *Pentatoma.*
Barber, Jl. N. Y. Ent. Soc., xix, p. 108, 1911.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 54, 1912. [*toma.*
†*custator* (Herrich–Schaeffer), Wanz. Ins., vii, p. 106, fig. 771, 1844, *Penta-*
Localities: Conn., N. Y., N. J., Va., N. C.

161. **Thyanta casta** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 104, 1862.
Distant, Biol. Centr. Am., Heter., i, p. 66, pl. 5, fig. 19, 1880.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 174.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 231, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 54, 1904.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 125, 1912.
Localities: Fla., N. Mex., Ariz., Calif. (Neotropical.)

162. **Thyanta antiguensis** (Westw.)

Westwood, Hope Cat., i, p. 36, 1837, *Pentatoma.*
Distant, Proc. Zool. Soc. Lond. for 1900, p. 812.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 54, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 260, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 9, 1907.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 125, 1912.
taeniola (Dallas), List of Hemip., i, p. 250, 1851, *Pentatoma.*
Stål, Rio Jan. Hemip., ii, p. 58, 1862.
Stål, Enum. Hemip., ii, p. 35, 1872.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 173.
Localities: Fla., Ariz., Texas, Calif. (Neotropical.)

163. **Thyanta rugulosa** (Say)

Say, Het. N. Harm., p. 7, 1831; Fitch reprint, p. 764; Compl. Writ., i, p. 319,
Stål, Enum. Hemip., ii, p. 35, 1872. [*Pentatoma.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 290, 1876; iii, p. 403, 1877.
Uhler, Wheeler's Rept. Chief of Eng. for 1877, p. 1324.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 231, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 54, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 233, 1912.
Localities: Neb., Colo., Utah, Mont., Ariz., Calif.

164. **Thyanta punctiventris** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 55, 1904.
Zimmer, Univ. Neb. Studies, xi, p. 233, 1912.
Localities: N. D., Neb., Colo., Utah, Calif.

165. **Thyanta brevis** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 56, 1904.
Barber, Brookl., Inst. Sci. Bul., i, p. 260, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 177, 1906.
Localities: Colo., Utah, Idaho, Texas, Ariz., Calif.

Genus **Chlorocoris** Spin.
Haplotype *tau* Spin.

Spinola, Essai sur les Hémip., p. 288, 1837 (1840).
Dallas, List of Hemip., pp. 151, 166, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 525, 1867.
Stål, Enum. Hemip., ii, p. 35, 1872.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910. [*planata* = *tau* Spin.)
Thelima Amyot and Serville, Hemip., p. 107, 1843. (Haplotype *com-*

Subgenus **Chlorocoris** Spin.

Stål, Enum. Hemip., ii, p. 35, 1872.

166. **Chlorocoris atrispinus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 99, 1862.
Stål, Enum. Hemip., ii, p. 35, 1872.
Distant, Biol. Centr. Am., Heter. i, p. 67, pl. 5, fig. 21, 1880.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Localities: N. Mex. (Neotropical.)

Subgenus **Monochrocerus** Stål
Logotype *rufispinus* Dall.

Stål, Enum. Hemip., ii, p. 35, 1872.
Kirkaldy, Cat. Hemip., i, p. 95, 1909. (Names *rufispinus* type.)

167. **Chlorocoris subrugosus** Stål

Stål, Enum. Hemip., ii, p. 36, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 68, pl. 6, fig. 21, 1880.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Localities: Ariz. (Mexico.)

168. **Chlorocoris flaviviridis** Barb.

Barber, Jl. N. Y. Ent. Soc., xxii, p. 164, 1914.
†*rufopictus* Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Locality: Ariz.

169. **Chlorocoris hebetatus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 335, pl. 31, fig. 16, 1890.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 35, 1910.
Localities: Ariz. (Mexico.)

Genus **Loxa** Am. & Serv.
Logotype *flavicollis* Drury

Amyot and Serville, Hémip., p. 137, 1843.
Dallas, List of Hemip., i, pp. 193, 198, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 525, 1867.
Stål, Enum. Hemip., ii, p. 36, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 70, 1880.
Kirkaldy, Cat. Hemip., i, p. 96, 1909. (Names *flavicollis* type.)

170. **Loxa flavicollis** (Drury)

Drury, Illust. Exot. Ent., ii, p. 67, pl. 36, fig. 4, 1773, *Cimex*.
Stoll, Punais, pp. 81, 82, figs. 196, 198, 200, 1792. (No name.)
Amyot and Serville, Hémip., p. 137, 1843.
Dallas, List of Hemip., i, p. 198, 1851.

Walker, Cat. Heter., iii, p. 549, 1868.
Stål, Enum. Hemip., ii, p. 36, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 290, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 70, 1880.
Distant, Ann. Mag. Nat. Hist., Ser. 7, iv, p. 441, 1899 (excl. syn).
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904.
albicollis (Fabricius), Spec. Ins., ii, p. 347, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 285, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2138, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 98, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 160, 1803, *Cimex.* [*Pentatoma.*
Herrich-Schaeffer, Wanz. Ins., vi, p. 68, fig. 634, 1842; vii, p. 94, 1844,
viridis (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 111, pl. Hémip. 8, fig. 1, [1805, *Pentatoma.*
virescens Amyot and Serville, Hémip., p. 137, pl. 3, fig. 3, 1843.
(Not *deducta* Walker, Cat. Heter., ii, p. 242, 1867.)
Localities: Texas, N. Mex. (Neotropical.)

171. **Loxa florida** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 156, 1909.
†*flavicollis* Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904 (in part).
Locality: Fla.

Genus **Murgantia** Stål
Logotype *tessellata* Am. & Serv.

Stål, Stet. Ent. Zeit., xxiii, p. 105, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 529, 1867.
Stål, Enum. Hemip., ii, p. 37, 1872.
Kirkaldy, Cat. Hemip., i, p. 106, 1909. (Names *tessellata* type.)
Zimmer, Univ. Neb. Studies, xi, p. 222, 1912.

172. **Murgantia histrionica** (Hahn)

Hahn, Wanz. Ins., ii, p. 116, fig. 196, 1834, *Strachia.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 93, 1853, *Eurydema.*
Stål, Stet. Ent. Zeit., xxii, p. 141, 1861, *Strachia.*
Stål, Stet. Ent. Zeit., xxiii, p. 106, 1862.
Stål, Enum. Hemip., ii, p. 37, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 396, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 290, 1876; iii, p. 404, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Distant, Biol. Centr. Am., Heter., i, p. 71, pl. 7, fig. 21, 1880.
Uhler, Proc. Calif, Acad. Sci., Ser. 2, iv, p. 231, 1894.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, 121, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 261, 1906.
Morrill, U. S. Dept. Agr., Bur. Ent., Circ. 103, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 136, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 54, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 233, 1912.
nigricans Cockerell, Bul. S. Calif. Acad. Sci., ii, p. 85, 1903 (a dark form).
Localities: N. Y., N. J., Pa., Del., D. C., Md., N. C., Ga., Fla., La., Ohio, Ill., Mo., Neb., Kans., Colo., N. Mex., Texas, Ariz., Nev., Calif.

173. **Murgantia varicolor** (Westw.)

Westwood, Hope Cat., i, p. 37, 1837, *Pentatoma.*
Distant, Proc. Zool. Soc. Lond. for 1900, p. 812.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904.
munda (Dallas), List of Hemip., i, p. 264, 1851, *Strachia.*
Stål, Of. Vet. Akad. Forh., xix, p. 497, 1862, *Strachia.*
Walker, Cat. Heter., ii, p. 316, 1867.
Stål, Enum. Hemip., ii, p. 37, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 71, pl. 7, fig. 20, 1880.
‖*munda* Stål, Stet. Ent. Zeit., xxii, p. 141, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 106, 1862.
Uhler, Check List, p. 7, 1886.
Localities: "West States" (Uhler). (Neotropical.)

174. **Murgantia violascens** (Westw.)

Westwood, Hope Cat., i, p. 34, 1837, *Pentatoma.*
Dallas, List of Hemip., i, p. 263, 1851, *Strachia.*
Stål, Of. Vet. Akad. Forh., xix, p. 467, 1862.
Stål, Enum. Hemip., ii, p. 37, 1872.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904.
concinna (Dallas), List of Hemip., i, p. 265, 1851, *Strachia.*
Localities: Fla. (West Indies.)

175. **Murgantia(?) angularis** (Walk.)

Walker, Cat. Heter., ii, p. 315, 1867, *Strachia.*
Locality: N. Am.

Genus **Vulsirea** Spin.
Logotype *nigrorubra* Spin. = *violacea* Fabr.

Spinola, Essai sur les Hémip., p. 350, 1837 (1840).
Amyot and Serville, Hémip., p. 142, 1843.
Herrich-Schaeffer, Wanz., Ins., viii, p. 12, 1848.
Dallas, List of Hemip., i, pp. 196, 271, 1851.
Stål, Stet. Ent. Zeit., xxii, p. 139, 1861.
Stål, Of. Vet. Akad. Forh., xxiv, p. 531, 1867.
Stål, Enum. Hemip., ii, p. 39, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 75, 1880.
Kirkaldy, Cat. Hemip., i, p. 112, 1909. (Names *violacea* type.)
†*Rhaphigaster* Spinola, Tavola Sinot., p. 34, 1850 (part).

176. **Vulsirea violacea** (Fabr.)

Fabricius, Syst. Rhyng., p. 167, 1803, *Cimex.*
Stoll, Punais., p. 62, fig. 133, 1792 (without name).
Herrich-Schaeffer, Wanz. Ins., iv, p. 89, fig. 425, 1839, *Cimex.*
Herrich-Schaeffer, Wanz. Ins., vii, p. 95, 1844, *Pentatoma.*
Stål, Hemip. Fabr., i, p. 31, 1868.
Stål, Enum. Hemip., ii, p. 39, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 76, 1880.
Distant, Ann. Mag. Nat. Hist., Ser. 7, v, p. 391, 1900.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904.
abdominalis (Westwood), Hope Cat., i, p. 32, 1837, *Rhaphigaster.*
superba Walker, Cat. Heter., ii, p. 354, 1867.

a. var. **lativentris** Walker
Walker, Cat. Heter., ii, p. 353, 1867.
Distant, Biol. Centr. Am., Heter., i, p. 76, 1880. [1868.
tau Vollenhoven, Versl. Med. Kon. Akad. Weten., Amst., Ser. 2, ii, p. 186,

b. var. **ancora** Spin.
Spinola, Essai sur les Hémip., p. 351, 1837 (1840).
Amyot and Serville, Hémip., p. 143, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 12, 1845.
Dallas, List of Hemip., i, p. 272, 1851.
Stål, Enum. Hemip., ii, p. 39, 1872.

c. var. **nigro-rubra** Spin.
Spinola, Essai sur les Hémip., p. 351, 1837 (1840).
Amyot and Serville, Hémip., p. 143, 1843.
Dallas, List of Hemip., i, p. 271, 1851.
Stål, Of. Vet. Akad. Forh., xiii, p. 60, 1856.
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 372, 1857, *Pentatoma.*
ponderosa (Stal), Of. Vet. Akad. Forh., xi, p. 233, 1854, *Strachia.*
Localities: Fla. (Neotropical.)

Genus **Runibia** Stål
Logotype *perspicua* (Fabr.)

Stål, Stet. Ent. Zeit., xxii, pp. 140, 141, 1861.
Stål, Of. Vet. Akad. Forh., xxv, p. 529, 1867.
Stål, Enum. Hemip., ii, p. 38, 1872.
Kirkaldy, Cat. Hemip., i, p. 110, 1909. (Names *perspicua* Fabr. type.)

177. **Runibia(?) proxima** (Dall.)
Dallas, List of Hemip., i, p. 255, 1851, *Pentatoma.*
Stål, Stet. Ent. Zeit., xxii, p. 141, 1861.
Walker, Cat. Heter., ii, p. 317, 1867, *Strachia.*
Stål, Enum. Hemip., ii, p. 39, 1872.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906.
Localities: Texas. (West Indies.)

Genus **Nezara** Am. & Serv.
Logotype *smaragdula* (Fabr.) = *viridula* (Linn.)

Amyot and Serville, Hémip., p. 143, 1843.
Dallas, List of Hemip., i, p. 274, 1851. (Subgen. of *Rhaphigaster.*)
Fieber, Europ. Hemip., pp. 78, 329, 1861.
Stål, Hemip. Afr., i, pp. 192, 193, 1864.
Mulsant and Rey, Punais. de Fr., Pent., p. 288, 1866.
Stål, Of. Vet. Akad. Forh., xxiv, pp. 514, 530, 1867.
Stål, Enum. Hemip., ii, p. 40, 1872.
Stål, Of. Vet. Akad. Forh., xxix, p. 38, 1872.
Stål, Enum. Hemip., v, p. 63, 1876.
Distant, Biol. Centr. Am., Heter, i, p. 77, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 57, 1904. (Key.)
Kirkaldy, Cat. Hemip., i, p. 115, 1909. (Names *viridula* type.)
Zimmer, Univ. Neb. Studies, xi, p. 233, 1912.
Bergroth, Ann. Soc. Ent. Belg., lviii, p. 25, 1914.

178. **Nezara viridula** (Linn.)

Linnaeus, Syst. Nat., Edn. 10, i, p. 444, 1758, *Cimex.*
Linnaeus, Syst. Nat., Edn. 12, i, pt. 2, p. 721, 1767, *Cimex.*
Fabricius, Ent. Syst., p. 710, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 196, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 354, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 291, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2150, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 109, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 166, 1803, *Cimex.*
Stål, Hemip. Afr., i, p. 193, 1864.
Stål, Hemip. Fabr., i, p. 31, 1868.
Gerstecker, Decker, Reisen in Ost. Afr., iii, p. 401, 1873.
Stål, Enum. Hemip., ii, p. 41, 1872; v, p. 91, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 78, 1880.
Reuter, Rev. Synon., p. 126, No. 57, 1888.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 176.
Distant, Ann. Mag. Nat. Hist., Ser. 7, v, p. 392, 1900.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 813.
Distant, Fauna Br. Ind., i, p. 220, 1902.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 58, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 10, 1907; ix, p. 157, 1909.
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 82, 1910.

variabilis (Villers), Ent., p. 505, 1789, *Cimex.*
†*smaragdula* (Dufour), Recher. Hemip., p. 157, 1833, *Pentatoma.*
Amyot and Serville, Hémip., p. 141, 1843.
Gorski, Anal. Ent., i, p. 103, 1852, *Pentatoma.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 373, 1857, *Pentatoma.*
Fieber, Europ. Hemip., p. 330, 1861.
berylina (Westwood), Hope Cat., i, p. 38, 1837, *Pentatoma.*
hemichloris (Germar), Silb. Rev., v, p. 166, 1837, *Cimex.*
approximata Reiche and Fairmaire, Voy. Abys., p. 443, 1847.
prasinus (Dallas), List of Hemip., i, p. 274, 1851, *Rhaphigaster.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 182, 1853, *Rhaphigaster.*
Mulsant and Rey, Punais. de Fr., Pent., p. 295, 1866.
orbus (Stål), Of. Vet. Akad. Forh., x, p. 221, 1853, *Rhaphigaster.*

a. var. **smaragdula** (Fabr.)

Fabricius, Syst. Ent., p. 711, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 246, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 354, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 292, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2153, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 109, 1794, *Cimex.*
Wolff, Icon. Cimic., ii, p. 56, fig. 53, 1801, *Cimex.*
Fabricius, Syst. Rhyng., p. 167, 1803, *Cimex.*
Herrich-Schaeffer, Nomen. Ent., i, p. 57, 1835, *Rhaphigaster.*
Costa, Cimic. Neap. Cent., i, p. 56, 1838, *Pentatoma.*

spirans (Fabricius), Ent. Syst., Suppl., p. 533, 1798, *Cimex.*
Fabricius, Syst. Rhyng., p. 167, 1803, *Cimex.*
viridissimus (Wolff), Icon. Cimic., ii, p. 55, fig. 52, 1801, *Cimex.*

unicolor (Westwood), Hope. Cat., i, p. 38, 1837, *Pentatoma.*
subsericea (Westwood), Hope Cat., i, p. 38, 1837, *Pentatoma.*
Dallas, List of Hemop., i, p. 275, 1851, *Rhaphigaster.*
leii (Westwood), Hope Cat., i, p. 38, 1837, *Pentatoma.*
3-punctigera (Westwood), Hope. Cat., i, p. 38, 1837, *Pentatoma.*
¶*proxima* (Westwood), Hope Cat., i, p. 38, 1837, *Pentatoma.*
chinensis (Westwood), Hope Cat., i, p. 38, 1837, *Pentatoma.*
¶*propinqua* (Westwood), Hope Cat., i, p. 39, 1837, *Pentatoma.*
plicaticollis (Lucas), Exped. Alg., p. 87, pl. 3, fig. 9, 1849, *Pentatoma.*

b. var. **torquata** (Fabr).
Fabricius, Syst. Ent., p. 710, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 245, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 353, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 291, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2150, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 108, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 160, 1803, *Cimex.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 190, 1804, *Pentatoma.*
Herrich-Schaeffer, Nomen. Ent., i, p. 57, 1835, *Rhaphigaster.*
Herrich-Schaeffer, Wanz. Ins., iv, p. 100, fig. 447, 1839, *Rhaphigaster.*
Stål, Of. Vet. Akad. Forh., xii, p. 345, 1855, *Rhaphigaster.*
transversus (Thunberg), Diss. Ent., Nov. Ins., ii, p. 40, 1783, *Cimex.*
flavicollis (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 185, 1805, *Pentatoma.*
flavicornis (Palisot-Beauvois), Ins. Rec. Afr. Am., pl. Hémip., 11, fig. 4, [1805, *Pentatoma.*
oblonga (Westwood), Hope Cat., i, p. 37, 1837, *Pentatoma.*
vicaria (Walker), Cat. Heter., ii, p. 303, 1867, *Pentatoma.*
Localities: Va., Fla., La. (Warmer parts of the world.)

Genus **Acrosternum** Fieb.
Haplotype *heegeri* Fieb.

Fieber, Europ. Hemip., pp. 79, 331, 1861.
Stål, Of. Vet. Akad. Forh., xxix, p. 38, 1872.
Stål, Enum. Hemip., ii, p. 41, 1872; v, pp. 63, 90, 1876.
Kirkaldy, Cat. Hemip., i, p. 118, 1906.
Bergroth, Ann. Soc. Ent. Belg., lviii, p. 25, 1914.

179. **Acrosternum pennsylvanicum** (De Geer)

De Geer, Mémoirs, iii, p. 330, pl. 34, fig. 5, 1773, *Cimex.*
Gmelin, *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2148, 1788, *Cimex.*
Palisot-Beauvois, Ins. Rec. Afr. Am., p. 186, pl. Hémip. 11, fig. 5, 1805, [*Pentatoma.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 98, 1871, *Rhaphigaster.*
Stål, Enum. Hemip., ii, p. 42, 1872.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 380, 1878, *Rhaphigaster.*
Uhler, Check List, p. 8, 1886.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 58, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 157, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 136, 1910.

Olsen, Jl. N. Y. Ent. Soc., xx, p. 55, 1912. [Writ., i, p. 317, *Pentatoma.*
abrupta (Say), Heter. N. Harm., p. 6, 1831; Fitch reprint, p. 761; Compl.
parnisus (Dallas), List of Hemip., i, p. 279, 1851, *Rhaphigaster.*
Kirkaldy, Cat. Hemip., i, p. 121, 1909.
Localities: Quebec, Mass., N. Y., N. J., Pa., Ga., Fla., Ohio, Ill., Ia.

180. **Acrosternum marginatum** (P. B.)

Palisot–Beauvois, Ins. Rec. Afr. Am., p. 147, pl. Hémip. 10, fig. 1, 1805,
Amyot and Serville, Hémip., p. 143, 1843. [*Pentatoma.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 374, 1857, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 42, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 79, pl. 7, fig. 23, 1880.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 175.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 58, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 10, 1907.
†*spirans* (Dallas), List of Hemip., i, p. 280, 1851, *Rhaphigaster.*
jurgiosa Stål, Stet. Ent. Zeit., xxiii, p. 106, 1862.
Localities: Fla., Texas, Ariz., Calif. (Neotropical.)

181. **Acrosternum hilaris** (Say)

Say, Ins. of La., p. 9, 1832; Heter. N. Harm., p. 5, 1831; Fitch reprint, p.
[761; Compl. Writ., i, pp. 304, 316, *Pentatoma.*
Walker, Cat. Heter, iii, p. 566, 1868, *Rhaphigaster.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 380, 1878, *Nezara.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 368, 1893, *Nezara.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, 172, 1894, *Nezara.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 58, 1904, *Nezara.*
Barber, Brookl. Inst. Sci. Bul., i, p. 261, 1906, *Nezara.*
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 78, 1910, *Nezara.*
Zimmer, Univ. Neb. Studies, xi, p. 233, 1912, *Nezara.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 5, 1914.
sarpinus (Dallas), List of Hemip., i, p. 276, 1851, *Rhaphigaster.*
Walker, Cat. Heter., ii, p. 357, 1867, *Rhaphigaster.*
†*pennsylvanicus* (Fitch), 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 389,
[1856, *Rhaphigaster.*
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., Va., N. C., Fla., La., Ia., Neb., Kan., Colo., Utah, Mont., Texas, Ariz., Calif.

Genus **Banasa** Stål
Logotype *induta* Stål

Stål, Rio Jan. Hemip., i, p. 24, 1860.
Stål, Enum. Hemip., ii, p. 43, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 79, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 45, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 59, 1904. (Key.)
Kirkaldy, Cat. Hemip., i, p. 115, 1909. (Names *induta* Stål type.)
Atomosira Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 97, 1871. (Haplo-
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 378, 1878. [type *sordida* Uhl.)

182. **Banasa dimidiata** (Say)

Say, Heter. N. Harm., p. 7, 1831; Fitch reprint, p. 763; Compl. Writ., i, p. [318, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 43, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 46, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 60, 1904.
Van Duzee, Can. Ent., xliv, p. 318, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 234, 1912.
†*calva* Provancher, Pet. Faune Ent. Can., iii, p. 46, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1874.
†*euchlora* Provancher, Pet. Faune Ent. Can., iii, p. 46, 1885.
§*dimiata* Kirkaldy, Cat. Hemip., i, p. 122, 1909.

Localities: Quebec, Ont., Mass., N. Y., Pa., Md., D. C., N. C., Ga., Fla., N. D., Neb., Colo., Utah, Mont., Okl., Texas, Calif., Vanc. Isd.

183. **Banasa subrufescens** (Walk.)

Walker, Cat. Heter., ii, p. 290, 1867, *Pentatoma.*
Kirkaldy, Cat. Hemip., i, p. 122, 1909.
‖*dimidiatus* (Stål) Rio Jan. Hemip., i, p. 22, 1860, *Rhaphigaster.*
basalis (Walker), Cat. Heter., ii, p. 291, 1867, *Pentatoma.*
derivatus (Walker), Cat. Heter., ii, p. 361, 1867, *Rhaphigaster.*
varians Stål, Enum. Hemip., ii, p. 43, 1872 (n.n. for *dimidiatus* Stål).
Distant, Ann. Mag. Nat. Hist., Ser. 7, v, pp. 393, 433, 1900.
Distant, Biol. Centr. Am., Heter., i, p. 80, pl. 7, fig. 7, 1880.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 60, 1904.

Localities: N. Mex. (Neotropical.)

184. **Banasa calva** (Say)

Say, Heter. N. Harm., p. 7, 1832; Fitch reprint, p. 763; Compl. Writ., i, p. [318, *Pentatoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876; iii, p. 404, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 379, 1878, *Atomosira.*
Lethierry and Severin, Cat. Génl. Hémip., i, p. 198, 1893, *Pentatoma.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 232, 1894.
Gillette and Baker, Hemip. Colo., p. 17, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 59, 1904.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 23, 1910.
catinus (Dallas), List of Hemip., i, p. 282, 1851, *Rhaphigaster.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 23, 1910.
†*dimidiata* Provancher, Pet. Faune Ent. Can., iii, p. 46, 1885.

Localities: "Canada," N. Y., Pa., Va., N. C., Ga., Colo., Mont.

185. **Banasa lenticularis** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 174.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 157, 1909.

Localities: Fla. (West Indies.)

186. **Banasa sordida** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 98, 1871, *Atomosira.*
Stål, Enum. Hemip., ii, p. 44, 1872.

Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 378, 1878, *Atomosira.*
Gillette and Baker, Hemip. Colo., p. 17, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 60, 1904.
Localities: Mass., Md., Va., Colo., N. Mex., Ariz., Calif., Vanc. Isd.

187. **Banasa packardi** Stål

Stål, Enum. Hemip., ii, p. 43, 1872.
Smith, Cat. Ins. N. J., Edn. 2, p. 121, 1900.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 61, 1904.
Bueno and Engelhardt, Can. Ent., xlii, p. 148, 1910.
Localities: N. J., N. C., Ga., Fla.

188. **Banasa euchlora** Stål

Stål, Enum. Hemip., ii, p. 44, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 61, 1904.
Localities: Md., S. C., Ga., Fla., Ia., Okl., Texas.

189. **Banasa imbuta** (Walk.)

Walker, Cat. Heter., ii, p. 358, 1867, *Rhaphigaster.*
Distant, Biol. Centr. Am., Heter., i, p. 80, pl. 7, fig. 10, 1880
Barber, Brookl. Inst. Sci. Bul., i, p. 261, 1906.
Localities: Texas. (Mexico.)

Genus **Piezodorus** Fieb.
Haplotype *degeeri* Fieb. = *lituratus* (Fabr.)

Feiber, Europ. Hemip., pp. 78, 329, 1861.
Stål, Hemip., Afr., i, p. 198, 1864 (as subgen. of *Nezara.*)
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 38, 1872.
Stål, Enum. Hemip., ii, p. 44, 1872; v, pp. 66, 100, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 81, 1880.

190. **Piezodorus guildinii** (Westw.)

Westwood, Hope Cat., p. 31, 1837, *Rhaphigaster.*
Dallas, List of Hemip., i, p. 283, 1851, *Rhaphigaster.*
Stål, Enum. Hemip., ii, p. 45, 1872.
‡*guildani* (Herrich-Schaeffer), Wanz. Ins., Verz., p. 181, 1853, *Rhaphigaster.*
‡*guildingi*, Uhler, Proc. Zool. Soc. Lond. for 1894, p. 175.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 61, 1904. [1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 10, 1907; ix, p. 157,
Localities: Ga., Fla., N. Mex. (West Indies.)

191. **Piezodorus(?) lituratus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 114, 1794, *Cimex.*
Wolff, Icon. Cimic., i, p. 14, fig. 14, 1800, *Cimex.*
Fabricius, Syst. Rhyng., p. 170, 1803, *Cimex.*
Burmeister, Handb. d. Ent., ii, p. 365, 1835, *Cimex.*
Stål, Hemip. Fabr., i, p. 31, 1868.
Vollenhoven, Hemip. Neerl., p. 41, 1878, *Cimex.*
Reuter, Berl. Ent. Zeit., xxix, p. 42, 1885.

Reuter, Rev. Synon., p. 127, 1888.

‖*bilobus* (Gmelin) *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2149, 1788, *incarnata* (Germar), Fauna Ins. Europ., iv, p. 23, 1818, *Pentatoma.* [*Cimex.*
Herrich-Schaeffer, Nomen. Ent., i, p. 57, 1835, *Rhaphigaster.*
Spinola, Essai sur les Hémip., p. 350, 1837 (1840), *Rhaphigaster.*
Kolenati, Melet. Ent., iv, p. 56, 1845, *Rhaphigaster.*
Mulsant and Rey, Punais. de Fr., Pent., p. 301, 1866.
Puton, Cat. Hémip. Palae., Edn. 3, p. 13, 1886.
Distant, Ann. Mag. Nat. Hist., Ser. 7, v, p. 421, 1900.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 823.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 61, 1904.

purpuripennis (Hahn), Wanz. Ins., ii, p. 62, fig. 151, 1834, *Pentatoma.*
Rambur, Fauna And., p. 125, 1842, *Rhaphigaster.*
Amyot and Serville, Hémip., p. 148, 1843, *Rhaphigaster.*
Gorski, Anal. Ent., i, p. 101, 1852, *Pentatoma.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 183, 1853, *Rhaphigaster.*
Douglas and Scott, Br. Hemip., p. 100, 1865.
[Not *Cimex purpureipennis* De Geer, which is a *Carpocoris.*]

punctulatus (Westwood), Hope Cat., i, p. 31, 1837, *Rhaphigaster.*

‡*purpuripenne* (Blanchard), Hist. des Ins., Hémip., p. 149, 1840, *Pentatoma.*

degeeri Fieber, Europ. Hemip., p. 329, 1861.
[The var. *aliaceum* Germ. has not been taken here.]
Localities: Fla. (Europe.)

Genus **Arvelius** Spin.

Logotype *gladiator* (Fabr.) = *albopunctatus* (De Geer)

Spinola, Essai sur les Hémip., p. 344, 1837 (1840).
Amyot and Serville, Hémip., p. 150, 1843.
Spinola, Tavola Sinot., p. 34, 1850.
Dallas, List of Hemip., i, p. 301, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 531, 1867.
Walker, Cat. Heter., iii, p. 572, 1868.
Distant, Biol. Centr. Am., Heter., i, p. 82, 1880.
Kirkaldy, Cat. Hemip., i, p. 150, 1909. (Names *albopunctatus* type.)

192. **Arvelius albopunctatus** (De Geer)

De Geer, Mémoirs, iii, p. 331, pl. 34, fig. 6, 1773, *Cimex.*
Goeze, Ent. Beytr., ii, p. 243, 1778, *Cimex.*
Amyot and Serville, Hémip., p. 150, 1843.
Dallas, List of Hemip., i, p. 302, 1851.
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 374, 1857, *Pentatoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 108, 1862.
Stål, Enum. Hemip., ii, p. 47, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 290, 1876.
Berg, Hemip. Argent., p. 59, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 82, 1880.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 232, 1894.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 173.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 61, 1904.
Barber, Brookl. Inst., Sci. Bul., i, p. 261, 1906.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 157, 1909.
gladiator (Fabricius), Syst. Ent., p. 705, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 239, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 348, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 285, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2140, 1778, *Cimex.*
Fabricius, Ent. Syst., iv, p. 101, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 162, 1803, *Cimex.* [*Pentatoma.*
Palisot–Beauvois, Ins. Rec. Afr. Am., p. 127, pl. Hémip. 9, fig. 1, 1805,
Le Peletier and Serville, Encyc. Meth., x, p. 56, 1825, *Pentatoma.*
Burmeister, Handb. d. Ent., ii, p. 359, 1835, *Acanthosoma.*
Spinola, Essai sur les Hemip., p. 346, 1837 (1840).
Herrich–Schaeffer, Wanz. Ins., v, p. 104, fig. 557, 558, 1839.
Blanchard, Hist. de Ins., Hémip., p. 146, 1840, *Acanthosoma.*
Herrich–Schaeffer, Wanz. Ins., viii, p. 5, 1848, *Acanthosoma.*
leucostictus (Gmelin) *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2148,
——— Stoll, Abh. Wanz., p. 13, fig. 12, 1792 (without name). [1788, *Cimex.*
luteicornis (Westwood), Hope. Cat., i, p. 30, 1837, *Acanthosoma.*
Localities: Fla., Texas, Ariz., Calif.

Genus **Neopharnus** Van D.
Orthotype *fimbriatus* Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 73, 1910.

193. **Neopharnus fimbriatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 73, 1910.
Locality: Fla.

Genus **Dendrocoris** Bergr.
Haplotype *humeralis* Uhl.

Bergroth, Revue d'Ent., x, p. 228, 1891 (n.n. for *Liotropis* Uhl.)
Barber, Brookl. Inst. Sci. Bul., i, p. 262, 1906.
Kirkaldy, Cat. Hemip., i, p. 151, 1909.
Barber, Ent. News, xxii, p. 268, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, pp. 438, 439, 1915. (Key.)
‖*Liotropis* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 399, 1877.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 62, 1904. (Key.)

194. **Dendrocoris humeralis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 400, 1877, *Liotropis.*
Bergroth, Revue d'Ent., x, pp. 228, 229, 1891.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 62, 1904, *Liotropis.*
Barber, Ent. News, xxii, p. 269, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 440, 1915.
Localities: Vt., Mass., N. J., Pa., Md., W. Va., Ga., Ohio, Ia., Kan., Colo., Calif.(?).

195. **Dendrocoris fruticicola** Bergr.

Bergroth, Revue d'Ent., x, p. 228, 1891.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 62, 1904. *Liotropis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 157, 1909.

Bueno and Engelhardt, Can. Ent., xlii, p. 148, 1910.
Barber, Ent. News, xxii, p. 269, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 440, 1915.
Localities: N. C., Fla.

196. **Dendrocoris reticulatus** Barb.

Barber, Ent. News, xxii, p. 270, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 439, 1915.
†*fruticicola* Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 263, 1906.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 126, 1912.
Localities: New Mex., Ariz., Calif.

197. **Dendrocoris arizonensis** Barb.

Barber, Ent. News, xxii, p. 270, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 440, 1915.
Locality: Ariz.

198. **Dendrocoris pini** Montd.

Montandon, Proc. U. S. Natl. Mus., xvi, p. 51, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 63, 1904, *Liotropis*.
Barber, Ent. News, xxii, p. 269, 1911.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 5, 1914.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 439, 1915.
Localities: Colo., Utah, Texas, Ariz., Calif.

199. **Dendrocoris contaminatus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 390, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 62, 1904, *Liotropis*.
Osborn, Ent. News, xx, p. 177, 1909, *Liotropis* (on cactus).
Barber, Ent. News, xxii, p. 269, 1911.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 440, 1915.
Localities: Utah, Texas, N. Mex., Ariz., Calif.

Genus **Odmalea** Bergr.
Orthotype *quadripunctula* Bergr.

Bergroth, Ann. Soc. Ent. Fr., lxxxiii, p. 436, 1915.

200. **Odmalea schaefferi** (Barb.)

Barber, Brookl. Inst. Sci. Bul., i, p. 262, 1906, *Dendrocoris*.
Barber, Ent. News, xxii, p. 269, 1911, *Dendrocoris*.
Bergroth, Ann. Soc. Ent. Fr., lxxxiii, pp. 438, 439, 1915, *Dendrocoris*.
Locality: Texas.

Genus **Brepholoxa** Van D.
Haplotype *heidemanni* Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 78, 1904.
Van Duzee, Can. Ent., xli, p. 384, 1909.

201. **Brepholoxa heidemanni** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 78, 1904.
Locality: Fla.

TRIBE *EDESSINI* Kirk.

Kirkaldy, Cat. Hemip., i, pp. 34, 153, 1909.

Genus **Edessa** Fabr.
Orthotype *cervus* Fabr.

Fabricius, Syst. Rhyng., p. 145, 1803.
Laporte, Essai Classif. Syst. Hémip., p. 62, 1832.
Burmeister, Handb. d. Ent., ii, p. 353, 1835.
Spinola, Essai sur les Hémip., p. 342, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 143, 1840.
Amyot and Serville, Hémip., p. 158, 1843.
Spinola, Tavola Sinot., p. 32, 1850.
Dallas, List of Hemip., i, pp. 317, 319, 1851.
Stål, Stet. Ent. Zeit., xxiii, p. 109, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 532, 1867.
Stål, Enum. Hemip., ii, p. 49, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 86, 1880. [*bifida* Say.)
Ascra Say, Ins. of La., p. 8, 1832; Compl. Writ., i, p. 304. (Haplotype
Dorypleura Amyot and Serville, Hémip., p. 157, 1843. (Haplotype *bubalus*
[Lep.)
Hypoxys Amyot and Serville, Hémip., p. 157, 1843. (Haplotype *quadridens*
[Fabr.)
Pygoda Amyot and Serville, Hémip., p. 159, 1843. (Haplotype *polita* Lep.)
Aceratodes Amyot and Serville, Hémip., p. 160, 1843. (Haplotype *cruen-*
[*tus* Fabr.)

202. **Edessa bifida** (Say)

Say, Ins. of La., p. 7, 1832; Heter. N. Harm., p. 9, 1832; Fitch reprint, p.
[767; Compl. Writ., i, pp. 303, 322, *Pentatoma.*
Stål, Enum. Hemip., ii, p. 154, 1872.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 176 (in part).
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 63, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.
albirenis (Herrich-Schaeffer), Wanz. Ins., vii, p. 127, fig. 774, 1844.
Dallas, List of Hemip., i, p. 336, 1851, *Aceratodes.*
‖*cornuta* (Guerin) *in* Sagra, Hist. de Cuba, Ins., p. 376, 1857, *Pentatoma.*
Localities: Fla., La., Texas.

Subfamily ACANTHOSOMINAE (Stål)

Stål, Hemip. Afr., i, pp. 33, 219, 1864, *Acanthosomida.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 532, 1867; xxvii, p. 638, 1870, *Acanthosomina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 3, pp. 32, 39, 1872, *Acanthosomina.*
Stål, Enum. Hemip., ii, p. 61, 1872; v, p. 108, 1876, *Acanthosomina.*
Distant, Biol. Centr. Am., Heter., i, p. 100, 1881.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 250, 1893, *Acanthosomidae.*
Distant, Fauna Br. Ind., Rhyng., i, p. 313, 1902, *Acanthosomatinae.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 73, 1904, *Acanthosomidae*
Oshanin, Verz. Palae., Hemip., i, p. 165, 1906, *Acanthosomina.*
Kirkaldy, Cat. Hemip., i, pp. 34, 166, 1909, Tribe *Acanthosomini.*
Oshanin, Kat. Palae., Hemip., p. 17, 1912.

Genus **Meadorus** M. & R.

Logotype †*interstinctus* M. & R. = *griseus* (Linn.)

Mulsant and Rey, Punais. de Fr., Pent., p. 315, 1866.
Kirkaldy, Cat. Hemip., i, p. 175, 1909. (As synon.; names *griseus* type.)
‖*Clinocoris* Hahn, Wanz. Ins., ii, p. 70, 1834. (Haplotype *haemorrhoidalis*
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 39, 1872. [Fabr.)
Stål, Enum. Hemip., v, pp. 110, 114, 1876.
Oshanin, Verz. Palae., Hemip., i, p. 170, 1906.
†*Sastragala* Fieber, Europ. Hemip., pp. 78, 327, 1861.
¶*Elasmucha* Stål, Ann. Soc. Ent. Fr., Ser. 4, iv, p. 54, 1864.
Stål, Hemip. Afr., i, p. 220, 1864 (*nomen nudum* here).
Stål, Hemip. Fabr., i, p. 39, 1868. (Includes *ferrugator* and two others.)
Bergroth, Ent. News, xviii, p. 49, 1907.
Kirkaldy, Cat. Hemip., i, p. 175, 1909. (Names *ferrugator* type.)
Oshanin Kat. Palae., Hemip., p. 18, 1912.
†*Acanthosoma* Distant, Biol. Centr. Am., Heter., i, p. 100, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 47, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 73, 1904. (Key.)
†*Elasmostethus* Lethierry and Severin, Cat. Génl. Hémip., i, p. 255, 1893.
Distant, Fauna Br. Ind., Rhyn., i, p. 326, 1902. (Gives *griseum* Linn. [as type.)

203. **Meadorus lateralis** (Say)

Say, Heter. N. Harm., p. 3, 1831; Fitch reprint, p. 757; Compl. Writ., i, p.
Stål, Enum. Hemip., ii, p. 61, 1872, *Acanthosoma.* [312, *Edessa.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 381, 1878, *Acanthosoma.*
Distant, Biol. Centr. Am., Heter., i, p. 101, 1881, *Acanthosoma.*
Provancher, Pet. Faune Ent. Can., iii, p. 48, 1885, *Acanthosoma.*
Distant, Proc. Zool. Soc. Lond. for 1900, p. 817, *Acanthosoma.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 73, 1904, *Acanthosoma.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905, *Acanthosoma.*
Bergroth, Ent. News, xviii, p. 49, 1907, *Elasmucha.*
Van Duzee, Can. Ent., xl, p. 109, 1908, *Clinocoris.*
Smith, Cat. Ins. N. J., Edn. 3, p. 138, 1910, *Elasmucha.*
Reuter, Of. Finska Vet. Akad. Forh., liv, Afd. A, No. 7, p. 15, 1912, *Elas-*
Horvath, Ann. Mus. Natl. Hung., x, p. 608, 1912, *Elasmucha.* [*mucha.*
nebulosa (Kirby), Richardson's Fauna Bor. Am., iv, p. 277, 1837; Reprint [in Can. Ent., x, p. 138, 1878, *Edessa.*
Dallas, List of Hemip., i, p. 307, 1851, *Acanthosoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 109, 1862, *Elasmostethus.*
affinis (Westwood), Hope Cat., i, p. 30, 1837, *Acanthosoma.*
picicolor (Westwood), Hope Cat., i, p. 30, 1837, *Acanthosoma.*
Localities: Quebec, Ont., N. H., N. Y., N. J., Vanc. Isd. (Mexico.)

Genus **Elasmostethus** Fieb.

Logotype *dentatus* De Geer = *interstinctus* Linn.

Fieber, Europ. Hemip., pp. 78, 328, 1861.
Stål, Ann. Soc. Ent. Fr., Ser. 4, iv, p. 54, 1864. (Names *dentatus* De Geer
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 39, 1872. [type.)
Oshanin, Verz. Palae., Hemip., i, p. 168, 1906.
Bergroth, Ent. News, xviii, p. 49, 1907.

Kirkaldy, Cat. Hemip., i, p. 177, 1909.
Oxydalus Mulsant and Rey, Punais. de Fr., Pent., p. 324, 1867. (Haplo- [type *dentatus* De Geer.)
‡*Elasmatostethus* Marshall, Ent. Mo. Mag., iv, p. 281, 1868.

204. **Elasmostethus cruciatus** (Say)

Say, Heter. N. Harm, p. 2, 1831; Fitch reprint, p. 756; Compl. Writ., i, p. 311,
Uhler, Proc. Ent. Soc. Phila., i, p. 23, 1861, *Acanthosoma*. [*Edessa*.
Stål, Enum. Hemip., ii, p. 61, 1872, *Acanthosoma*.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324, *Acanthosoma*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894, *Acanthosoma*.
Distant, Proc. Zool. Soc. Lond. for 1900, p. 818, *Acanthosoma*.
Van Duzee, Trans. Am. Ent., Soc., xxx, p. 73, 1904, *Acanthosoma*.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905, *Acanthosoma*.
Bergroth, Ent. News, xviii, p. 49, 1907.
borealis (Westwood), Hope Cat., i, p. 30, 1837, *Acanthosoma*.
Stål, Enum. Hemip., ii, p. 61, 1872, *Acanthosoma*.
Localities: Quebec, Ont., N. H., N. Y., N. J., N. C., Colo., Utah, N. Mex., Vanc. Isd.

205. **Elasmostethus cooleyi** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 74, 1904, *Acanthosoma*. (As var.
Bergroth, Ent. News, xviii, p. 49, 1907. [of *cruciata*.)
Locality: Mont.

206. **Elasmostethus atricornis** (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xxx, p. 75, 1904, *Acanthosoma*.
Bergroth, Ent. News, xviii, p. 48, 1907.
Van Duzee, Can. Ent., xliv, p. 318, 1912.
†*cruciata* (Provancher), Pet. Faune Ent. Can., iii, p. 48, 1885, *Acanthosoma*.
Localities: Quebec, N. Y., Ind.

Subfamily **ASOPINAE** (Spin.)

Spinola, Tavola Sinot., pp. 29, 30, 1850, *Asopoideae*.
Dallas, List of Hemip., i, p. 75, 1851, Fam. *Asopidae*.
Stål, Hemip. Afr., i, pp. 32, 62, 1864, *Asopida*.
Stål, Of. Vet. Akad. Forh., xxiv, p. 495, 1867, *Asopina*.
Stål, Enum. Hemip., i, p. 21, 1870, *Asopina*.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 31, 1872, *Asopina*.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1323.
Distant, Biol. Centr. Am., Heter., i, p. 26, 1880.
Puton, Cat. Hémip. Palae., Edn. 3, p. 14, 1886, Tribe *Asopini*.
Uhler, Check List, p. 3, 1886, *Asopina*.
Distant, Fauna Br. Ind., Rhyn., i, pp. 2, 243, 1902.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 63, 1904, *Asopidae*.
Oshanin, Verz. Palae. Hemip., i, p. 151, 1906, *Asopina*.
Schouteden, Genera Ins., Fasc. 52, p. 2, 1907.
Schumacher, Zeit. f. Wissen. Insek., vi, p. 263, 1910. (Biology.)
Oshanin, Kat. Palae. Hemip., p. 18, 1912.

Zimmer, Univ. Neb. Studies, xi, pp. 220, 234, 1912.
Arminae, Bergr., Rev. Russe Ent., iv, p. 32, 1904.
Schouteden, Rhyn., Aethop., i, Fasc. 2, p. 133, 1905.
Bergroth, Wien. Ent. Zeit., xxx, pt. 6–7, p. 129, 1911.
Amyoteinae Schouteden, Genera Ins., Fasc. 52, p. 2, 1907.
Cimicinae Kirkaldy, Cat. Hemip., p. 3, 1909.

Genus **Stiretrus** Lap.

Logotype *decemguttatus* Lep. & Serv.

Laport, Essai Classif. Syst. Hémip., p. 75, 1832.
Spinola, Essai sur les Hemip., p. 356, 1837.
Germar, Zeits. f. Ent., i, p. 10, 1839.
Herrich-Schaeffer, Wanz. Ins., v, p. 23, 1839.
Amyot and Serville, Hémip., p. 75, 1843.
Spinola, Tavola Sinot., p. 30, 1850.
Dallas, List of Hemip., i, p. 78, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 496, 1867.
Stål, Enum. Hemip., i, p. 22, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 26, 1880.
Schouteden, Genera Ins., Fasc. 52, p. 6, 1907. (Names *decemguttatus* type.)
Kirkaldy, Cat. Hemip., i, p. 30, 1909. (Names *smaragdulus* pseudotype.)
Stiretrosoma Spinola, Essai sur les Hémip., p. 356, 1837 (1840). (Logo-
Amyot and Serville, Hémip., p. 76, 1843. [type *erythrocephalus* Lep.)
‖*Stictonotus* Stål, Enum. Hemip., i, p. 22, 1870 (subgen.)
Schouteden, Genera Ins., Fasc. 52, p. 7, 1907. (Names *rugosus* logo-
Oncogaster Stål, Enum. Hemip., i, p. 24, 1870 (as subgenus). [type.)
Schouteden, Genera Ins., Fasc. 52, pp. 7, 8, 1907. (Names *ceruleus*
[Dall. type.)
‖*Stictocoris* Kirkaldy, Entomol., xxxvii, p. 279, 1904 (n.n. for *Stictonotus*
Schouteden, Genera Ins., Fasc. 52, p. 7, 1907. [Stål.)
Stictonotion Kirkaldy, Wien. Ent. Zeit., xxiv, p. 268, 1905 (n.n. for
[*Stictocoris* Kirk.)
Stiretroides Schouteden, Genera Ins., Fasc. 52, pp. 7, 9, 1907 (as subgen.
[with type *loratus*.)
Kirkaldy, Cat. Hemip., i, p. 30, 1909. (Names *latipes* pseudotype.)

207. **Stiretrus anchorago** (Fabr.)

Fabricius, Spec. Ins., ii, p. 341, 1781, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2132, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 86, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 137, 1803, *Tetyra.*
Dallas, List of Hemip., i, p. 80, 1851.
Stål, Enum. Hemip., i, p. 24, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 281, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 63, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 8, 1907.
pulchellus (Westwood), Hope Cat., p. 42, 1837, *Pentatoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.
inflata Schumacher, Sitz. Ges. Nat.-for. Freunde for 1912, p. 96 (as subsp.).

a. var. **fimbriatus** (Say)
Say, Am. Ent., iii, pl. 43, 1828; Compl. Writ., i, p. 93, pl. 43, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 16, 1839.
Herrich–Schaeffer, Wanz. Ins., p. 193, 1853.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 369, 1878.
Smith, Cat. Ins. N. J., Edn. 3, p. 137, fig. 59, 1910.
variegatus (Herrich–Schaeffer), Wanz. Ins., iv, p. 90, fig. 427, 1839,
†*anchorago* Schouteden, Genera Ins., Fasc. 52, pl. 1, fig. 3, 1907. [*Asopus.*

b. var. **diana** (Fabr.)
Fabricius, Syst. Rhyng., p. 137, 1803, *Tetyra.*
Burmeister, Handb. d. Ent., ii, p. 381, 1835, *Asopus.*
Germar, Zeit. f. Ent., i, p. 19, 1839.
Herrich–Schaeffer, Wanz. Ins., v, p. 3, fig. 454, 1839.
‖*anchorago* (Westwood), Hope Cat., i, p. 42, 1837, *Pentatoma.*
ornatus Dallas, List of Hemip., i, p. 80, 1851.
anchorago var. Distant, Biol. Centr. Am., Heter., i, pl. 1, fig. 15, 1880.

c. var. **personatus** Germ.
Germar, Zeit. f. Ent., i, p. 16, 1839.
Stål, Stet. Ent. Zeit., xxiii, p. 85, 1862.
Stål, Enum. Hemip., i, p. 25, 1870.

d. var. **violaceus** (Say)
Say, Am. Ent., iii, pl. 43, 1828; Compl. Writ., i, p. 94, *Tetyra.*
Germar, Zeit. f. Ent., i, p. 12, 1839.
Amyot and Serville, Hémip., p. 76, pl. 1, fig. 1, 1843.
Dallas, List of Hemip., i, p. 79, 1851.
Stål, Enum. Hemip., i, p. 25, 1870.
Distant, Biol. Centr. Am., Heter., i, pl. 1, fig. 14, 1880.
Localities: Mass., Conn., N. Y., N. J., Pa., Md., N. C., Va., Ga., Fla., La., Kan., N. Mex., Texas.

Genus **Heterosceloides** Schoutd.
Orthotype *lepida* (Stål)

Schouteden, Genera Ins., Fasc. 52, p. 19, 1907.

208. **Heterosceloides lepida** (Stål)
Stål, Stet. Ent. Zeit., xxiii, p. 93, 1862, *Phyllochirus.*
Distant, Biol. Centr. Am., Heter., i, p. 33, pl. 3, fig. 21, 1880, *Heteroscelis.*
Schouteden, Genera Ins., Fasc. 52, p. 20, pl. 1, fig. 6, 1907.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 171, 1914, *Heteroscelis.*
scutellaris (Walker), Cat. Heter., iii, p. 529, 1868, *Bodetria.*
Localities: Texas. (Neotropical.)

Genus **Alcaeorrhynchus** Bergr.
Haplotype *grandis* (Dall.)

Bergroth, Revue d'Ent., x, p. 235, 1891 (n.n. for *Mutyca* Stål).
Schouteden, Genera Ins., Fasc. 52, p. 32, 1907. (Names *grandis* type.)
‖*Mutyca* Stål, Rio Jan. Hemip., ii, p. 58, 1858.
Stål, Of. Vet. Akad. Forh., xxiv, p. 496, 1867.
Stål, Enum. Hemip., i, p. 48, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 35, 1880.

209. **Alcaeorrhynchus phymatophora** (P. B.)

Palisot–Beauvois, Ins. Rec. Af. Am., p. 112, pl. Hémip. 8, fig. 2, 1805, *Penta-*
Amyot and Serville, Hémip., p. 82, 1843, *Canthecona.* [*toma.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 32, 1853, *Canthecona.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 364, 1857, *Canthecoma.*
Stål, Enum. Hemip., i, p. 48, 1870, *Mutyca.*
Berg, Hemip. Argent., p. 33, 1879, *Mutyca.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 72, 1904, *Mutycha.*
Schouteden, Genera Ins., Fasc. 52, p. 32, 1907.
Localities: Fla. (Neotropical.)

210. **Alcaeorrhynchus grandis** (Dall.)

Dallas, List of Hemip., i, p. 91, 1851, *Canthecona.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 31, 1853, *Canthecona.*
Stål, Rio Jan. Hemip., ii, p. 58, 1858, *Mutyca.*
Stål, Stet. Ent. Zeit., xxiii, p. 90, 1862, *Mutyca.*
Distant, Biol. Centr. Am., Heter., i, p. 36, 1880, *Mutyca.*
Berg, Hemip. Argent., p. 180, 1884, *Mutyca.*
†*phymatophora* (Stål), Enum. Hemip., i, p. 48, 1870, *Mutyca* (part).
Berg, Hemip. Argent., p. 33, 1879, *Mutyca* (part).
Localities: Fla. (Neotropical.)

Genus **Oplomus** Spin.
Logotype *tripustulatus* Fabr.

Spinola, Essai sur les Hémip., p. 355, 1837 (1840).
Spinola, Tavola Sinot., p. 30, 1850.
Dallas, List of Hemip., i, p. 82, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 496, 1867.
Stål, Enum. Hemip., i, p. 26, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 29, 1880.
Schouteden, Genera Ins., Fasc. 52, p. 32, 1907. (Names *tripustulatus* type.)
Catostyrax Amyot and Serville, Hémip., p. 82, 1843. (Haplotype *catena*
‡*Hoplomus* Gistel, Naturges des Thierr., p. x, 1848. [Drury.)

Subgenus **Polypoecilus** Stål
Haplotype *dichrous* (H. S.)

Stål, Enum. Hemip., i, p. 26, 1870.
Schouteden, Genera Ins., Fasc. 52, pp. 33, 34, 1907. (Names *dichrous* type.)

211. **Oplomus dichrous** (H. S.)

Herrich–Schaeffer, Wanz. Ins., iv, p. 89, fig. 426, 1839, *Asopus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 167, 1853, *Platynopus.*
Stål, Stet. Ent. Zeit., xxiii, p. 86, 1862.
Stål, Enum. Hemip., i, p. 26, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 29, pl. 1, fig. 16, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 64, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 34, 1907.
var. *a, b,* Stål, Enum. Hemip., i, p. 26, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 29, 1880.

a. var. **rubropictus** Voll.
Vollenhoven, Tidskr. v. Ent., vi, p. 121, 1863.

Walker, Cat. Heter., iii, p. 529, 1868.
var. *c, d,* Stål, Enum. Hemip., i, p. 26, 1870.
Distant, Biol. Centr. Am., Heter., i, pp. 29, 30, 1880.

b. var. **rhodomelas** (H. S.)
Herrich-Schaeffer, Wanz. Ins., iv, p. 90, fig. 428, 1839, *Asopus.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 168, 1853, *Platynopus.*
vars. *e–g,* Stål, Enum. Hemip., i, pp. 26, 27, 1880.
vars. *e–h,* Distant, Biol. Centr. Am., Heter., i, p. 30, pl. 1, fig. 16, 1880.
Localities: Ariz., Pa. (accidental). (Neotropical.)

Subgenus **Oplomus** Spin.

Stål, Enum. Hemip., i, p. 27, 1870. [type.)
Schouteden, Genera Ins., Fasc. 52, pp. 34, 35, 1907. (Names *tripustulatus*

212. **Oplomus tripustulatus** (Fabr.)

Fabricius, Syst. Rhyng., p. 172, 1803, *Cimex.*
Spinola, Essai sur les Hémip., p. 355, 1837 (1840).
Dallas, List of Hemip., i, p. 86, 1851.
Stål, Hemip. Fabr., i, p. 15, 1868.
Stål, Enum. Hemip., i, p. 28, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 30, 1880.
var. *a,* Stål, Enum. Hemip., i, p. 28, 1870.

a. var. **flavoguttatus** Voll.
Vollenhoven, Tidskr. v. Ent., vi, p. 123, 1863.
basalis Walker, Cat. Heter., i, p. 122, 1867.
var. *b,* Stål, Enum. Hemip., i, p. 28, 1870.

b. var. **chrysomelas** Walk.
Walker, Cat. Heter., i, p. 121, 1867.
var. *c, d,* Stål, Enum. Hemip., i, p. 28, 1870.

c. var. *e–g,* Stål
Stål, Enum. Hemip., i, p. 28, 1870.

d. var. **salamandra** (Burm.)
Burmeister, Handb. d. Ent., ii, p. 381, 1835, *Asopus.*
Dallas, List of Hemip., i, p. 84, 1851.
Walker, Cat. Heter., i, p. 120, 1867.
Distant, Biol. Centr. Am., Heter., i, pl. 4, fig. 16, 1880.
var. *h, i,* Stål, Enum. Hemip., i, pp. 28, 29, 1870.

e. var. **tibialis** (Fabr.)
Fabricius, Syst. Rhyng., p. 176, 1803, *Cimex.*
Stål, Hemip. Fabr., i, p. 16, 1868.
——— Stoll, Punais., p. 88, fig. 206, 1792 (without name).
var. *h,* Stål, Enum. Hemip., i, p. 29, 1870.
var. *l, m,* Stål, Enum. Hemip., i, p. 29, 1870.

f. var. **violaceus** Dall.
Dallas, List of Hemip., i, p. 85, 1851.
Localities: Fla. (typical form). (Neotropical.)

213. **Oplomus mundus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 87, 1862.
Stål, Enum. Hemip., i, p. 30, 1870.

Distant, Biol. Centr. Am., Heter., i, p. 32, pl. 4, fig. 17, 1880.
Barber, Brookl. Inst. Sci. Bul., i, p. 263, 1906.
Schouteden, Genera Ins., Fasc. 52, p. 35, 1907.
Localities: Texas. (Neotropical.)

Genus **Perillus** Stål
Logotype *confluens* H. S.

Stål, Stet. Ent. Zeit., xxiii, p. 88, 1862 (subgen. of *Oplomus*).
Stål, Of. Vet. Akad. Forh., xxiv, p. 496, 1867.
Stål, Enum. Hemip., i, p. 31, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 33, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 32, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 64, 1904. (Key.)
Schouteden, Genera Ins., Fasc. 52, pp. 11, 36, 1907. (Names *confluens* type.)
Van Duzee, Can. Ent., xli, p. 370, 1909.
Perilloides Schouteden, Genera Ins., Fasc. 52, pp. 11, 37, 1907. (Ortho-
Kirkaldy, Cat. Hemip., i, p. 6, 1909. [type *bioculatus* Fabr.)
Zimmer, Univ. Neb. Studies, xi, p. 234, 1912.

214. **Perillus confluens** (H. S.)

Herrich-Schaeffer, Wanz. Ins., v, p. 77, fig. 552, 1839, *Asopus*.
Herrich-Schaeffer, Wanz. Ins., Verz., p. 168, 1853, *Podisus*.
Stål, Stet. Ent. Zeit., xxiii, p. 88, 1862.
Walker, Cat. Heter., i, p. 120, 1867, *Oplomus*.
Stål, Enum. Hemip., i, p. 32, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 33, pl. 1, fig. 18, 1880.
Cockerell, Trans. Am. Ent. Soc., xx, p. 361, 1893.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 65, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 37, 1907.
Localities: Colo., Texas, N. Mex., Ariz. (Neotropical.)

215. **Perillus splendidus** (Uhler)

Uhler, Proc. Ent. Soc., Phila., i, p. 22, 1861, *Zicrona*.
Stål, Enum. Hemip., i, p. 32, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1323.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 121, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 66, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 39, 1907.
Localities: Colo.(?), Texas, Calif. (Mexico.)

216. **Perillus bioculatus** (Fabr.)

Fabricius, Syst. Ent., p. 715, 1775, *Cimex*.
Goeze, Ent. Beytr., ii, p. 248, 1778, *Cimex*.
Fabricius, Spec. Ins., ii, p. 358, 1781, *Cimex*.
Fabricius, Mantissa Ins., ii, p. 295, 1787, *Cimex*.
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2157, 1788, *Cimex*.
Fabricius, Ent. Syst., iv, p. 120, 1794, *Cimex*.

Fabricius, Syst. Rhyng., p. 175, 1803, *Cimex.*
Stål, Enum. Hemip., ii, p. 129, 1872.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 206, 1893.
Gillette and Baker, Hemip. Colo., p. 12, 1895, *Mineus.*
Smith, Cat. Ins. N. J., Edn. 2, p. 117, 1900, *Mineus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 66, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 37, 1907, *Perilloides.*
Smith, Cat. Ins. N. J., Edn. 3, p. 137, 1910, *Perilloides.*
Zimmer, Univ. Neb. Studies, xi, p. 234, 1912, *Perilloides.*

a. var. **clanda** (Say)

Say, Jl. Acad. Nat. Sci. Phil., iv, p. 312, 1825; Compl. Writ., ii, p. 240, *Penta-*
‡*claudus* Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872. [*toma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 281, 1876; iii, p. 398, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1323.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 504, 1878.
Uhler, Check List, p. 4, 1886.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Gillette and Baker, Hemip. Colo., p. 12, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 67, 1904.
Localities: Ont., N. Y., N. J., Ia., Neb., Kan., Dak., Wyo., Colo., Utah, Nev., Mont., N. Mex., Ariz., Calif., Oregon, Idaho.

217. **Perillus circumcinctus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 89, 1862.
Stål, Enum. Hemip., i, p. 32, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 370, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 34, pl. 6, fig. 6, 1880.
Provancher, Pet. Faune Ent. Can., iii, p. 32, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 67, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 37, 1907, *Perilloides.*
Smith, Cat. Ins. N. J., Edn. 3, p. 137, 1910, *Perilloides.*
Zimmer, Univ. Neb. Studies, xi, p. 235, 1912, *Perilloides.*
marginatus Provancher, Nat. Can., iv, p. 74, 1872.
Localities: Ont., N. H., Mass., N. Y., N. J., Ill., Mo., Neb., Dak.

218. **Perillus exaptus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 313, 1825; Compl. Writ., ii, p. 240,
Uhler, Proc. Ent. Soc. Phila., i, p. 23, 1861, *Zicrona.* [*Pentatoma.*
Stål, Enum. Hemip., i, p. 32, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 281, 1876; iv, p. 504, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 369, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 33, 1885.
Gillette and Baker, Hemip. Colo., p. 12, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 107, 1903; xxx, p. 65, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 38, pl. 3, fig. 2, 1907, *Perilloides.*
Smith, Cat. Ins. N. J., Edn. 3, p. 137, 1910, *Perilloides.*

Zimmer, Univ. Neb. Studies, xi, p. 234, 1912, *Perilloides.*
variegata (Kirby), *in* Richardson, Fauna Bor. Am., iv, p. 267, 1837, *Penta-*
Kirby *in* Bethune's reprint, p. 135, *Pentatoma.* [*toma.*
marginella (Dallas), List of Hemip., i, p. 109, 1851, *Zicrona.*
Localities: Quebec, Ont., Mass., N. Y., N. J., Ill., Mo., Dak., Wyo., Colo., N. Mex., Mont., Utah, Manitoba, Wash.

Genus **Rhacognathus** Fieb.
Haplotype *punctatus* (Linn.)

Fieber, Europ. Hemip., pp. 81, 347, 1861.
Stål, Of. Vet. Akad. Forh., xxiv, p. 498, 1867; xxix, No. 3, p. 40, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 33, 1885.
Schouteden, Genera Ins., Fasc. 52, p. 54, 1907.

219. **Rhacognathus americanus** Stål

Stål, Enum. Hemip., i, p. 33, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 34, 1885.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 68, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 55, 1907.
Localities: Ohio, Ill., Manitoba.

Genus **Euthyrhynchus** Dall.
Haplotype *floridanus* (Linn.)

Dallas, List of Hemip., i, pp. 77, 104, 1851.
Dohrn, Cat. Hemip., p. 8, 1859 (spelled *Eutyrhynchus*).
Stål, Enum. Hemip., i, p. 54, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 41, 1880.
Schouteden, Genera Ins., Fasc. 52, p. 55, 1907.

220. **Euthyrhynchus floridanus** (Linn.)

Linnaeus, Syst. Nat., Edn. 12, i, pt. 2, p. 719, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 702, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 192, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 346, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 284, 1787, *Cimex.*
Gmelin, *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2136, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 96, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 158, 1803, *Cimex.*
Burmeister, Handb. d. Ent., ii, p. 380, 1835, *Asopus.*
Herrich-Schaeffer, Wanz. Ins., iv, p. 102, fig. 450, 1839, *Asopus.*
Blanchard, Hist. des Ins., Hemip., p. 154, 1840, *Stiretrus.*
Amyot and Serville, Hémip., p. 84, 1843, *Asopus.*
Dallas, List of Hemip., i, p. 104, 1851.
Stål, Stet. Ent. Zeit., xxiii, p. 93, 1862.
Stål, Enum. Hemip., i, p. 54, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 41, pl. 1, fig. 21, 1880.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 73, 1904.
Schouteden, Genera Inst., Fasc. 52, p. 56, pl. 4, fig. 2, 1907.
Bueno and Brimley, Ent. News, xviii, p. 443, 1907.
punicus (Linnaeus), Syst. Nat., Edn. 12, i, pt. 2, p. 719, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 703, 1775, *Cimex.*

Goeze, Ent. Beytr., ii, p. 194, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 346, 1781, *Cimex.*
Fabricius, Mantissa, Ins., ii, p. 285, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2138, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 97, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 159, 1803, *Cimex.*
Dallas, List of Hemip., i, p. 104, pl. 2, fig. 1, 1851.
Herrich–Schaeffer, Wanz. Ins., Verz., p. 19, 1853, *Asopus.*
emarginata (Say), Heter. N. Harm., p. 4, 1831; Fitch reprint, p. 758; [Compl. Writ., i, p. 313, *Pentatoma.*
trivittatus (Herrich–Schaeffer), Wanz. Ins., iv, p. 103, fig. 451, 1839,
colorata (Walker), Cat. Heter., i, p. 136, 1867, *Arma.* [*Asopus.*
Localities: Pa., Ga., N. C., Tenn., La.

Genus **Mineus** Stål
Orthotype *strigipes* (H. S.)

Stål, Of. Vet. Akad. Forh., xxiv, p. 498, 1867.
Schouteden, Genera Ins., Fasc. 52, p. 61, 1907.

221. **Mineus strigipes** (H. S.)

Herrich–Schaeffer, Wanz. Ins., ix, p. 338, 1853, *Podisus.*
Walker, Cat. Heter., i, p. 144, 1867, *Tynacantha*(?).
Stål, Enum. Hemip., i, p. 32, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 67, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 61, pl. 4, fig. 10, 1907.
Bueno and Brimley, Ent. News, xviii, p. 443, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 224, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 137, 1910.
Olsen, Jl. N. Y. Ent. Soc., xx, p. 56, 1912.
Localities: N. Y., N. J., Md., D. C., Va., N. C., S. C., Ga., Ohio, Texas (?), N. Mex.(?).

Genus **Apateticus** Dall.
Haplotype *halys* Dall. = *lineolatus* (H. S.)

Dallas, List of Hemip., i, p. 105, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 498, 1867 (as subgenus).
Stål, Enum. Hemip., i, p. 49, 1870.
Schouteden, Genera Ins., Fasc. 52, pp. 68, 70, 1907 (part).
Van Duzee, Can. Ent., xli, p. 371, 1909.
Bergroth, Wien. Ent. Zeit., xxx, pt. 6–7, p. 129, 1911.
Zimmer, Univ. Neb. Studies, xi, p. 236, 1912. [as type.)
†*Podisus* Distant, Fauna Br. Ind., Rhyn., i, p. 253, 1902. (Cites *lineolatus*

Subgenus **Apateticus** Dall.

Van Duzee, Can. Ent., xli, p. 371, 1909.

222. **Apateticus lineolatus** (H. S.)

Herrich–Schaeffer, Wanz. Ins., v, p. 69, fig. 514, 1839, *Halys.*
Stål, Enum. Hemip., ii, p. 129, 1872, *Podisus.*
Distant, Biol. Centr. Am., Heter., i, p. 36, 1880, *Podisus.*
Barber, Brookl. Inst. Sci. Bul., i, p. 263, 1906, *Podisus.*

Schouteden, Genera Ins., Fasc. 52, p. 70, pl. 5, fig. 7, 1907.
Van Duzee, Can. Ent., xli, p. 371, 1909.
halys Dallas, List of Hemip., i, p. 105, pl. 2, fig. 2, 1851.
Stål, Stet. Ent. Zeit., xxiii, p. 93, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 498, 1867.
Distant, Biol. Centr. Am., Heter., i, pl. 1, fig. 19, 1880.
punctipennis (Herrich-Schaeffer), Wanz. Ins., ix, p. 338, 1853, *Podisus.*
Localities: Fla., Texas. (Neotropical.)

223. **Apateticus marginiventris** (Stål)

Stål, Enum. Hemip., i, p. 49, 1870, *Podisus.*
Distant, Biol. Centr. Am., Heter., i, p. 37, pl. 4, fig. 24, 1880, *Podisus.*
Schouteden, Genera Ins., Fasc. 52, p. 70, 1907.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 36, 1909, *Podisus.*
Van Duzee, Can. Ent., xli, p. 371, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 236, 1912.
gillettei (Uhler), Hemip. Colo., p. 12, 1895, *Podisus.*
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 418, pl. 1, fig. 6, 1897,
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 69, 1904, *Podisus.* [*Podisus.*
Schouteden, Genera Ins., Fasc. 52, p. 70, 1907.
Localities: Neb., Colo., Ariz. (Mexico.)

Subgenus **Apoecilus** Stål
Haplotype *grandis* (Dall.) = *cynicus* (Say)

Stål, Enum. Hemip., i, p. 49, 1870.
Schouteden, Genera Ins., Fasc. 52, p. 70, 1907.
Van Duzee, Can. Ent., xli, p. 371, 1909.

224. **Apateticus cynicus** (Say)

Say, Heter. N. Harm., p. 3, 1831; Fitch reprint, p. 757; Compl. Writ., i, p. [312, *Pentatoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876; iv, p. 504, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 370, 1878, *Podisus.*
Uhler, Stand. Nat. Hist., ii, p. 291, 1884, *Podisus.*
Provancher, Pet. Faune Ent. Can., iii, p. 29, 1885, *Podisus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894, *Podisus.*
Gillette and Baker, Hemip. Colo., p. 12, 1895, *Podisus.*
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 425, pl. 1, fig. 7, 1897, *Podisus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 70, 1904, *Podisus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 350, 1904, *Podisus.*
Heidemann, Proc. Ent. Soc. Wash., vi, p. 9, 1904, *Podisus.*
Schouteden, Genera Ins., Fasc. 52, p. 71, pl. 5, fig. 8, 1907.
Zimmer, Univ. Neb. Studies, xi, p. 237, 1912.
grandis (Dallas), List of Hemip., i, p. 96, 1851, *Arma.*
Fitch, 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 335, 1856, *Arma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867, *Podisus.*
Stål, Enum. Hemip., i, p. 49, 1870.
Lethierry and Severin, Cat. Génl. Hémip., i, p. 218, 1893, *Podisus.*
Localities: Quebec, Ont., Mass., N. Y., Pa., Md., Ill., Mo., Dak., Neb., Kan., Wisc., Colo., Texas, Ariz.

225. **Apateticus bracteatus** (Fitch)

Fitch, 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 336, 1856, *Arma.*
Gillette and Baker, Hemip. Colo., p. 12, 1895, *Podisus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 350, 1904, *Podisus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 70, 1904, *Podisus.*
Heidemann, Proc. Ent. Soc. Wash., vi, p. 10, 1904, *Podisus.*
Schouteden, Genera Ins., Fasc. 52, p. 70, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 225, 1908.
Kirkaldy, Cat. Hemip., i, p. 22, 1909.
Zimmer, Univ. Neb. Studies, xi, p. 237, 1912.
Localities: Quebec, Mass., N. Y., Neb., Idaho, Vanc. Isd.

226. **Apateticus crocatus** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 384, 1897, *Podisus.*
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 422, 1897, *Podisus.*
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 70, 1907, *Podisus.*
Schouteden, Genera Ins., Fasc. 52, p. 70, 1907. [var. of *cynicus.*)
[*obscuripes* Uhl MS] Riley, Rept. U. S. Dept. Agr. for 1878, p. 245. (As
[*crocatus* Uhl. MS] Hagen, Can. Ent., xvi, p. 40, 1884, *Podiscus.*
Localities: Manitoba, Colo., Utah, Ariz., Calif., Oregon, Wash., Vanc. Isd.

Genus **Podisus** H. S.
Logotype *vittipennis* H. S. = *bifidus* Lap.

Herrich-Schaeffer, Wanz. Ins., ix, pp. 296, 337, 1853.
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867.
Stål, Enum. Hemip., i, p. 48, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 36, 1880.
Provancher, Pet. Faune Can., iii, p. 29, 1885.
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 412, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 68, 1904.
Kirkaldy, Entomol., xli, p. 124, 1908. (Names *vittipennis* type.)
Van Duzee, Can. Ent., xli, p. 370, 1909.
Kirkaldy, Cat. Hemip., i, p. 18, 1909 (subgen. of *Apateticus*).
Bergroth, Wien. Ent. Zeit., xxx, pt. 6–7, p. 129, 1911.

Subgenus **Podisus** H. S.

Van Duzee, Can. Ent., xli, p. 371, 1909.
Telepta Stål, Rio Jan. Hemip., i, p. 10, 1860. (Logotype *distinctus* Stål.)
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867. [type.)
Kirkaldy, Cat. Hemip., i, p. 18, 1909. (Names *crassimargo* pseudo-
Eupodisus Schouteden, Genera Ins., Fasc. 52, pp. 70, 71, 1907. (Orthotype
[*modestus* Dall.)

227. **Podisus maculiventris** (Say)

Say, Ins. of La., p. 11, 1832, *Pentatoma;* reprint *in* Psyche, viii, p. 307, 1899.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 71, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 264, 1906.
Morrill, U. S. Dept. Agr., Div. Ent., Bul. 60, pp. 155–161, 1906.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.
Kirkaldy, Cat. Hemip., i, p. 19, 1909.

Olsen, Jl. N. Y. Ent. Soc., xviii, p. 40, 1910.
Zimmer, Univ. Neb. Studies, xi, p. 237, 1912, *Apateticus.*
spinosa (Dallas), List of Hemip., i, p. 98, 1851, *Arma.*
Fitch, 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 336, 1856, *Arma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867.
Stål, Enum. Hemip., i, p. 51, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876; iii, p. 399, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 31, 1885.
Van Duzee, Can. Ent., xxi, p. 2, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Gillette and Baker, Hemip. Colo., p. 13, 1895.
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 431, pl. 1, fig. 4, 1897.
pallens (Stål), Freg. Eugen. Resa, Ins., p. 222, 1859, *Arma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867.
Stål, Enum. Hemip., i, p. 51, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 228, 1894.
Kirkland, Mass. St. Bd. Agric. Rept., xlv, p. 421, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 72, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907, *Apateticus.*
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 124, 1912, *Apateticus.*
Localities: Quebec, Ont., Vt., Mass., N. Y., Pa., Md., N. C., Ga., Fla., Ohio, Wisc., Neb., Kan., Okl., Texas, Manitoba, Mont., Colo., Ariz., Calif., Vanc. Isd.

227½. **Podisus fretus** Olsen

Olsen, Bul. Brookl. Ent. Soc., xi, p. 82, 1916.
Localities: Mass., N. Y., N. J., N. C.

228. **Podisus serieventris** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 94, 1871; xix, p. 370, 1878.
Gillette and Baker, Hemip. Colo., p. 13, 1895.
?Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 429, pl. 1, fig. 2, 1897. (Not well [distinguished from *maculiventris.*)
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 71, 1904.
Van Duzee, 20th Rept. N. Y., St. Ent., p. 548, 1905.
Van Duzee, Can. Ent., xxxviii, p. 406, 1906.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907, *Apateticus.*
Van Duzee, Can. Ent., xliv, p. 318, 1912.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Minn., Colo., Mont., Vanc. Isd.

229. **Podisus modestus** (Dall.)

Dallas, List of Hemip., i, p. 101, 1851, *Arma.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 17, 1853, *Arma.*
Fitch, 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 390, 1856, *Arma.*
Stål, Enum. Hemip., i, p. 51, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876; iii, p. 399, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 370, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 38, pl. 4, fig. 4, 1880.

Provancher, Pet. Faune Ent. Can., iii, p. 30, 1885.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 170, 1894.
Gillette and Baker, Hemip. Colo., p. 13, 1895.
Kirkland, Mass. St. Bd. Agr., Rept. xiv, p. 419, pl. 1, fig. 9, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 71, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907, *Apateticus.*
Zimmer, Univ. Neb. Studies, xi, p. 237, 1912, *Apateticus.*
?aggressor (Walker), Cat. Heter., ii, p. 359, 1867, *Rhaphigaster.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., Ga., Ohio, Ill., Dak., Neb., Colo., Mont.

230. **Podisus placidus** Uhl.

Uhler, Am. Ent., ii, p. 203, 1870.
Gillette and Baker, Hemip. Colo., p. 13, 1895.
Uhler, Can. Ent., xxix, p. 116, 1897.
Van Duzee, Can. Ent., xxix, p. 160, 1897.
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 416, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 71, 1907.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 138, 1910, *Apateticus.*
Olsen, Jl. N. Y. Ent. Soc., xx, p. 57, 1912.
Zimmer, Univ. Neb. Studies, xi, p. 238, 1912, *Apateticus.*
Localities: Quebec., Ont., Mass., N. Y., N. J., Mich., Ia., Neb., Colo.

231. **Podisus sagitta** (Fabr.)

Fabricius, Ent. Syst., iv, p. 99, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 161, 1803, *Cimex.*
Stål, Enum. Hemip., i, p. 50, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 37, pl. 1, fig. 22, 1880.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 172.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 72, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907.
didymus (Palisot–Beauvois), Ins. Rec. Afr. Am., p. 128, pl. Hémip. 9, fig. [2, 1805, *Pentatoma.*
Amyot and Serville, Hémip., p. 85, 1843, *Arma.*
Dallas, List of Hemip., i, p. 102, 1851, *Arma.*
Stål, Stet. Ent. Zeit., xxiii, p. 90, 1865, *Telepta.*
Walker, Cat. Heter., i, p. 135, 1867, *Arma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867.
monospilus (Walker), Cat. Heter., i, p. 136, 1867, *Arma.*
Localities: Texas. (Neotropical.)

232. **Podisus fuscescens** (Dall.)

Dallas, List of Hemip., i, p. 102, 1851, *Arma.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 497, 1867.
Stål, Enum. Hemip., i, p. 50, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 38, pl. 4, fig. 20, 1880.
Barber, Brookl. Inst. Sci. Bul., i, p. 263, 1906.
Schouteden, Genera Ins., Fasc. 52, p. 71, 1907.
‖*fuscescens* (Stål), Stet. Ent. Zeit., xxiii, p. 90, 1862, *Telepta.*
Localities: Texas. (Mexico.)

233. **Podisus mucronatus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 386, 1897.
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 437, pl. 1, fig. 9, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 72, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 72, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.
Localities: Fla. (Neotropical.)

Subgenus **Tylospilus** Stål

Logotype *chilensis* Spin.

Stål, Enum. Hemip., i, p. 52, 1870.
Schouteden, Genera Ins., Fasc. 52, pp. 70, 73, 1907. (Names *chilensis* type.)
Van Duzee, Can. Ent., xli, p. 371, 1909.

234. **Podisus acutissimus** Stål.

Stål, Enum. Hemip., i, p. 53, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 283, 1876, *Tylospilus.*
Distant, Biol. Centr. Am., Heter., i, p. 40, pl. 2, fig. 22, 1880.
Kirkland, Mass. St. Bd. Agr., Rept. xlv, p. 435, 1897.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 72, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 264, 1906.
Localities: Colo., Texas, Ariz. (Mexico.)

Genus **Zicrona** Am. & Serv.

Haplotype *caerulea* (Linn.)

Amyot and Serville, Hémip., p. 86, 1843.
Dallas, List of Hemip., i, p. 107, 1851.
Fieber, Europ. Hemip., pp. 81, 346, 1861.
Douglas and Scott, Br. Hemip., p. 88, 1865.
Mulsant and Rey, Punais. de Fr., Pent., p. 360, 1866
Stål, Of. Vet. Akad. Forh., xxiv, p. 499, 1867.
Stål, Enum. Hemip., i, p. 36, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 3, p. 40, 1872.
Schouteden, Genera Ins., Fasc. 52, p. 74, 1907.

235. **Zicrona caerulea** (Linn.)

Linnaeus, Syst. Nat., Edn. 10, i, p. 445, 1758, *Cimex.*
Linnaeus, Fauna Suec., Edn. 2, p. 250, No. 933, 1761, *Cimex.*
Geoffroy, Hist. des Ins., i, p. 472, No. 75, 1762, *Cimex* (not binominal).
Linnaeus, Syst. Nat., Edn. 12, i, pt. 2, p. 722, 1767, *Cimex.*
De Geer, Mémoirs, iii, p. 268, 1773, *Cimex.*
Fabricius, Syst. Ent., p. 716, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 201, 1778, *Cimex.*
Schrank, Enum. Ins. Aust., p. 275, 1781, *Cimex.*
Fabricius, Spec. Ins., ii, p. 359, 1781, *Cimex.*
Fourcroy, Ent. Paris., p. 218, 1785, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 296, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2154, 1788, *Cimex.*

Fabricius, Ent. Syst., iv, p. 123, 1794, *Cimex.*
Wolff, Icon. Cimic., i, p. 18, fig. 18, 1800, *Cimex.*
Walckenaer, Faune Paris., ii, p. 345, 1802, *Cimex.*
Fabricius, Syst. Rhyng., p. 178, 1803, *Cimex.*
Fallén, Monog. Cimic. Suec., p. 50, 1807, *Cimex.*
Tigny, Hist. Nat. Ins., Edn. 2, iv, p. 299, 1813, *Pentatoma.*
Curtis, Br. Ent., i, pl. 20, 1824, *Pentatoma.*
Fallén, Hemip. Suec., Cimic., p. 32, 1829, *Cimex.*
Hahn, Wanz. Ins., ii, p. 65, fig. 154, 1834, *Pentatoma.*
Herrich–Schaeffer, Nomen. Ent., i, p. 56, 1835, *Pentatoma.*
Burmeister, Handb. d. Ent., ii, p. 378, 1835, *Asopus.*
Spinola, Essai sur les Hémip., p. 323, 1837 (1840), *Cimex.*
Blanchard, Hist. des Ins., Hémip., p. 154, 1840, *Stiretrus.*
Amyot and Serville, Hémip., p. 86, 1843.
Herrich–Schaeffer, Wanz. Ins., vii, p. 112, 1844, *Asopus.*
Kolenati, Melet. Ent., iv, p. 37, 1846, *Asopus.*
Dallas, List of Hemip., i, p. 108, 1851.
Gorski, Anal. Ent., i, p. 114, 1852, *Asopus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 17, 1853, *Arma.*
Flor, Rhyng., Livl., i, p. 90, 1860, *Asopus.*
Fieber, Europ. Hemip., p. 346, 1861.
Douglas and Scott, Br. Hemip., p. 88, pl. 3, fig. 3, 1865.
Mulsant and Rey, Punais. de Fr., Pent., p. 360, 1866.
Stål, Enum. Hemip., i, p. 36, 1870.
Reuter, Rev. Synon., p. 151, No. 80, 1888.
Saunders, Hemip. Heter. Br. Isds., p. 36, pl. 3, fig. 10, 1892.
Distant, Fauna Br. Ind., Rhyng., i, p. 255, fig. 163, 1902.
Van Duzee, Trans. Am. Ent. Soc., xxx, p. 68, 1904.
Schouteden, Genera Ins., Fasc. 52, p. 74, 1907. [history.)
Kershaw and Kirkaldy, Jl. Bomb. Nat. Hist. Soc., xix, p. 333, 1909 (life
Schumacher, Zeit. f. Wissen. Insk., vii, p. 44, 1911(?) (life history.)

concinna (Westwood), Hope Cat., i, p. 39, 1837, *Pentatoma.*
violacea (Westwood), Hope Cat., i, p. 39, 1837, *Pentatoma.*
illustris Amyot and Serville, Hémip., p. 87, 1843.
cuprea Dallas, List of Hemip., i, p. 108, 1851.
Stål, Enum. Hemip., i, p. 37, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 395, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 282, 1876.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1323.
Gillette and Baker, Hemip. Colo., p. 12, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, 177, 1906.
Localities: Ont., N. H., Colo., Utah, Idaho, N. Mex., Ariz., Calif., Br. Col.

Superfamily COREOIDEAE Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 78, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 38, 49, 1912.
Oshanin, Kat. Palae. Hemip., p. 20, 1912.

Family COREIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 121, 1815, *Coreides.*
Stephens, Cat. Br. Ins., ii, p. 340, 1829, *Coreidae.*
Laporte, Essai Classif. Syst. Hémip., p. 41, 1832, *Coreites.*
Leach, Brewster's Edinbg. Encyc., Am. Edn., viii, p. 710, 1832, Tribe *Coreides.*
Herrich–Schaeffer, Nom. Ent., i, p. 35, 1835, *Coreides.*
Burmeister, Handb. d. Ent., ii, p. 299, 1835, *Coreodes.*
Brullé, Hist. des Ins., ix, p. 348, 1835, *Coriens.*
Spinola, Essai sur les Hémip., p. 122, 1837, *Coreites.*
Costa, Cimic. Neap., Cent. i, p. 25, 1838, *Coreini.*
Blanchard, Hist. des Ins., Hémip., p. 115, 1840, *Coreites.*
Westwood, Intr. Mod. Classif. Ins., p. 482; Synop., p. 123, 1840, *Coreidae.*
Spinola, Tavola Sinot., pp. 26, 38, 1850, *Coreitae* (in part).
Herrich–Schaeffer, Wanz. Ins., ix, p. 232, 1853, *Coreodes.*
Flor, Rhyng., Livl., i, p. 164, 1860, *Coreodea.*
Fieber, Europ. Hemip., pp. 26, 55, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 203, 1862, *Coreida.*
Stål, Hemip. Afr., ii, p. 1, 1865, *Coreida.*
Douglas and Scott, Br. Hemip., pp. 16, 109, 1865, Section *Coreina.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 534, 1867, *Coreida.*
Stål, Enum. Hemip., i, p. 125, 1870, *Coreina.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872, *Coreidae.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876, *Coreidae.*
Distant, Biol. Centr. Am., Heter., i, p. 103, 1881, *Coreidae.*
Uhler, Check List, p. 9, 1886, *Coreidae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 1, 1894, *Coreidae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 331, 1902, *Coreidae.*
Oshanin, Verz. Palae. Hemip., i, p. 177, 1906, *Coreidae.*
Kirkaldy, Can. Ent., xlii, p. 63, 1910.
Horvath, Ann. Mus. Nat. Hung., ix, p. 8, 1911, *Coreidae.*

Supericornes Amyot and Serville, Hémip., pp. xxx, 183, 1843.
Dorhn, Cat. Hemip., p. 23, 1859, *Supericornia.*
Dallas, List of Hemip., ii, p. 369, 1851, Tribe *Supericornia.*

†*Lygaeidae* Kirkaldy, Entomol., xxxii, p. 220, 1899.
Kirkaldy, Trans. Ent. Soc. Lond. for 1905, p. 350.
Kirkaldy, Proc. Haw. Ent. Soc., i, pp. 139, 146, 1907.
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Kirkaldy, Can. Ent., xl, p. 360, 1908.

Subfamily MEROCORINAE (Stål)

Stål, Enum. Hemip., i, p. 125, 1870, *Merocorina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876, *Merocorina.*
Berg, Hemip. Argent., p. 63, 1889, *Merocorina.*
Distant, Biol. Centr. Am., Heter., i, p. 103, 1881, *Merocorinae.*
Uhler, Check List, p. 9, 1886, *Merocorina.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 128, 1913, *Merocorinae.*

Meropachydida Stål, Of. Vet. Akad. Forh., xxiv, pp. 535, 536, 1867.

Genus **Merocoris** Perty

Logotype *acridoides* Fabr. = *typhaeus* Fabr.

Perty, Del. Anim. Artic., p. 170, 1830.
Brullé, Hist. Nat. des Ins., ix, p. 357, 1835 (names *acridoides* type; valid?).
Blanchard, Hist. des Ins., Hémip., p. 117, 1840.
Amyot and Serville, Hémip., p. 243, 1843.
Dallas, List Hemip., ii, p. 419, 1852.
Stål, Of. Vet. Akad. Forh., xxiv, p. 537, 1867.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 95, 1868.
Stål, Enum. Hemip., i, p. 129, 1870.
Berg, Hemip. Argent., p. 281, 1884.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 128, 1913.

Corynomerus Spinola, Essai sur les Hémip., p. 126, 1837 (1840). (Haplo-
Spinola, Tavola Sinot., p. 40, 1850. [type *elevatus* Spin.)

Hebecerus Kolenati, Melet. Ent., ii, p. 65, 1845.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 243, 272, 1853.

Corynocoris Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 95, 1868. (Logo-
Stål, Of. Vet. Akad. Forh., xxiv, p. 537, 1867. [type *typhaeus* Fabr.)
Stål, Enum. Hemip., i, p. 129, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 106, 1881.
Uhler, Check List Hemip., p. 10, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 4, 1894.
Banks, Cat. Nearc. Hemip., p. 81.
Van Duzee, Check List Hemip., p. 10, 1916.

236. **Merocoris typhaeus** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 537, 1798, *Lygaeus*.
Dallas, List of Hemip., ii, p. 419, 1852, *Merocoris*.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 95, 1868.
Stål, Enum. Hemip., i, p. 129, 1870.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 26, 1910.
Bueno and Engelhardt, Can. Ent., xlii, p. 149, 1910.
Smith, Cat. Ins., N. J., Edn. 3, p. 145, 1910.

acridioides (Fabricius), Syst. Rhyng., p. 200, 1803, *Coreus*.
Wolff, Icon. Cimic., v, p. 192, fig. 186, 1811, *Coreus*.

rugosus (Amyot and Serville), Hémip., p. 244, 1843, *Merocoris*.

a. var. **distinctus** (Dall.)

Dallas, List of Hemip., ii, p. 419, 1852, *Merocoris*.
Stål, Enum. Hemip., i, p. 130, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 400, 1872, *Merocoris*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 106, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 232, 1894.
Gillette and Baker, Hemip. Colo., p. 7, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 351, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.

Localities: Me., N. Y., N. J., Pa., Md., Va., N. C., Fla., Wisc., Ill., Mo., Kan., Okl., Colo., Utah, N. Mex., Texas, Ariz., Calif.

Subfamily COREINAE (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, pp. 535, 543, 1867, *Coreida*.
Stål, Enum. Hemip., i, p. 157, 1870, *Coreina*.

Stål, Of. Vet. Akad. Forh., xxix, No. 6, pp. 49, 50, 1872, *Coreina.*
Stål, Enum. Hemip., iii, pp. 33, 34, 1873, *Coreina.*
Distant, Biol. Centr. Am., Heter., i, p. 121, 1881, *Coreinae.*
Uhler, Check List, p. 11, 1886, *Coreinae.*
Oshanin, Kat. Palae. Hemip., p. 20, 1912, *Coreinae* (in part).
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 126, 1913, *Coreinae.*

TRIBE *ACANTHOCEPHALINI* (Stål)

Stål, Enum. Hemip., i, p. 149, 1870, *Acanthocephalina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876, *Acanthocephalina.*
Distant, Biol. Centr. Am., Heter., i, p. 117, 1881, *Acanthocephalinae.*
Uhler, Check List, p. 10, 1886, *Acanthocephalina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 30, 1894, *Acanthocephalidae.*
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910, *Acanthocephalinae.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 128, 1913, Div. *Acanthocephalaria.*
Placoscelidida Stål, Of. Vet. Akad. Forh., xxiv, p. 535, 1867.

Genus **Acanthocephala** Lap.
Orthotype *compressipes* (Fabr.) = *latipes* (Drury)

Laporte, Essai Classif. Syst. Hémip., p. 29, 1832.
Stål, Enum. Hemip., i, p. 149, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 117, 1881.
Uhler, Check List, p. 10, 1886.
‖*Diactor* Burmeister, Handb. d. Ent., ii, p. 233, 1835 (to replace *Acantho-* [*cephala* Lap.)
Metapodius Westwood, Hope Cat., ii, p. 4, 1842 (to replace *Acanthocephala* [Lap. and *Diactor* Burm.)
Stål, Of. Vet. Akad. Forh., xxiv, p. 541, 1867.
Walker, Cat. Heter., iv, p. 48, 1871.
‡*Metapodus* Amyot and Serville, Hémip., p. 192, 1843.
Herrich-Schaeffer, Wanz. Ins., Verz., p. 126, 1853.

Subgenus **Acanthocephala** Lap.

Stål, Enum. Hemip., i, p. 149, 1871.

237. **Acanthocephala declivis** (Say)

Say, Ins. La., p. 10, 1832; Compl. Writ., i, p. 305, *Rhinuchus.*
Say, Heter. N. Harm., p. 12, 1832; Fitch reprint, p. 772, Compl. Writ., i, p. [327, *Anisoscelis.*
Stål, Enum. Hemip., i, p. 150, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 118, pl. 11, fig. 19, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 265, 1906.
?alatus (Burmeister), Handb. d. Ent., ii, p. 334, 1835, *Diactor.*
Stål, Enum. Hemip., i, p. 150, 1870.
?thoracicus (Dallas), List of Hemip., ii, p. 428, 1852, *Metapodius.*
Stål, Stet. Ent. Zeit., xxiii, p. 294, 1862, *Metapodius.*
Localities: Ga., Fla., La., Texas, N. Mex., Ariz. (Neotropical.)

Subgenus **Metapodiessa** Kirk.
Logotype *femorata* (Fabr.)

Kirkaldy, Entomol., xxxv, p. 137, 1902 (n.n. for *Metapodius* Stål).
†*Metapodius* Stål, Enum. Hemip., i, p. 150, 1870.

238. **Acanthocephala femorata** (Fabr.)

Fabricius, Syst. Ent., p. 708, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 240, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 351, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 288, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2142, 1788, *Cimex.*
Fabricius, Syst. Ent., iv, p. 137, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 205, 1803, *Lygaeus.*
Wolff, Icon. Cimic., v, p. 195, fig. 189, 1811, *Lygaeus.*
Dallas, List of Hemip., ii, p. 430, 1852, *Metapodius.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 126, 1853, *Metapodius.*
Stål, Enum. Hemip., i, p. 150, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876, *Metapodius.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 381, 1878, *Metapodius.*
Saunders, Ins. Inj. to Fruits, p. 220, fig. 225, 1883, *Metapodius.*
Distant, Proc. Zool. Soc. Lond. for 1901, p. 329.
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 159, 1909.

nasulus (Say), Ins. La., p. 10, 1832; Compl. Writ., i, p. 305, *Rhinuchus.* Say, Heter. N. Harm., p. 12, 1832; Fitch reprint, p. 772; Compl. Writ., Kirkaldy, Can. Ent., xli, p. 30, 1909. [i, p. 327, *Anisoscelis.*

bispinus (Westwood), Hope Cat., ii, p. 15, 1842, *Metapodius.*

obscurus (Westwood), Hope Cat., ii, p. 15, 1842, *Metapodius.*

Localities: N. C., S. C., Ga., Fla., La., Okl., Texas.

239. **Acanthocephala granulosa** (Dall.)

Dallas, List of Hemip., ii, p. 430, 1852, *Metapodius.*
Stål, Stet. Ent. Zeit., xxiii, p. 294, 1862, *Metapodius.*
Stål, Enum. Hemip., i, p. 151, 1870.
Uhler, Wheeler's Surv. 100th Mer., v, p. 831, 1875, *Metapodius.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876, *Metapodius.*
Distant, Biol. Centr. Am., Heter., i, p. 120, pl. 11, fig. 18, pl. 12, fig. 9, 1881.
Distant, Biol. Centr. Am., Heter., i, p. 359, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 233, 1894, *Metapodius.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.

†*alatus* (Herrich–Schaeffer), Wanz. Ins., vi, p. 53, fig. 613, 1842, *Diactor*
thomasii (Uhler), Hayden's Surv. Terr., Rept. for 1871, p. 399, 1872, [*Metapodius.*

Localities: Texas, Ariz., Calif.

240. **Acanthocephala confraterna** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 99, 1871, *Metapodius.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 382, 1878, *Metapodius.*
Localities: Ga., Fla.

241. **Acanthocephala instabilis** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 98, 1871; xix, p. 381, 1878, [*Metapodius.*

Localities: Pa., N. C., Ga.

242. **Acanthocephala terminalis** (Dall.)

Dallas, List of Hemip., ii, p. 431, 1852, *Metapodius.*
Stål, Enum. Hemip., i, p. 151, 1870.

Uhler, Hayden's Surv. for 1871, p. 400, 1872, *Metapodius.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876, *Metapodius.*
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 227, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910.
†*femoratus* (Smith), Cat. Ins. N. J., Edn. 2, p. 122, 1900, *Metapodius.*
Localities: Mass., Conn., N. Y., N. J., Pa., N. C., Fla., Ill., Mo., La., Okl., Texas, Colo.

TRIBE *ANISOSCELINI* (A. & S.)

Amyot and Serville, Hémip., pp. xxxiv, 217, 1843, *Anisoscelides.*
Dallas, List of Hemip., ii, p. 449, 1852, Fam. *Anisoscelidae* (part).
Stål, Stet. Ent. Zeit., xxiii, p. 294, 1862, *Aniososcelidae.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 543, 1867, Div. *Anisoscelidida.*
Stål, Enum. Hemip., i, p. 157, 1870, *Anisoscelidina.*
Stål, Enum. Hemip., iii, p. 35, 1873, Div. *Anisoscelaria.*
Distant, Biol. Centr. Am., Heter., i, p. 121, 1881, Div. *Anisoscelaria.*
Uhler, Check List, p. 11, 1886, *Anisoscelaria.* [*Anisoscelidae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 44, 1894, Subfam.
Distant, Fauna Br. Ind., Rhyn., i, p. 381, 1902, Div. *Anisoscelaria.*
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910, Subfam. *Anisoscelinae.*
Banks, Cat. Nearc. Hemip., p. 77, 1912, *Anisoscelini.* [division.)
Holymeniaria Bergroth, Mém. Soc. Ent. Belg., xxii, p. 142, 1913 (as

Genus **Chondrocera** Lap.
Orthotype *laticornis* Lap.

Laporte, Essai Classif. Syst. Hémip., p. 44, 1832.
Blanchard, Hist. des Ins., Hémip., p. 119, 1840 (as subgenus of *Coreus*).
Stål, Of. Vet. Akad. Forh., xxiv, p. 544, 1867.
Stål, Enum. Hemip., i, p. 158, 1870.
Petalotoma Guerin *in* Sagra Hist. de Cuba, Ins., p. 388, 1857.

243. **Chondrocera laticornis** Lap.

Laport, Essai Classif. Syst. Hémip., p. 45, pl. 53, fig. 7, 1832.
Blanchard, Hist. des. Ins., Hemip., p. 119, 1840, *Coreus.*
Stål, Enum. Hemip., i, p. 158, 1870.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 12, 1907.
Banks, Cat. Nearc. Hemip., p. 77, 1910. [1857, *Petalotoma.*
unicolor (Guerin) *in* Sagra, Hist. de Cuba, Ins., p. 389, pl. 13, fig. 8,
Localities: Fla. (West Indies.)

Genus **Leptoglossus** Guer.
Haplotype *dilaticollis* Guer.

Guerin, Voy. Coquil., Zool., ii, pt. 2, p. 174, 1838.
Stål, Enum. Hemip., i, p. 160, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 123, 1881.
Distant, Fauna Br. Ind., Rhyn., i, p. 382, 1902 (names *dilaticollis* type).
Kirkaldy, Entomol., xxxix, p. 257, 1906 (names *dilaticollis* type).

Heidemann, Proc. Ent. Soc. Wash., xii, p. 191, 1910.
†*Anisoscelis* Spinola, Essai sur les Hemip., p. 200, 1837 (1840).
Dallas, List of Hemip., ii, p. 452, 1852.
Theognis Stål, Stet. Ent. Zeit., xxiii, p. 294, 1862. (Logotype *scripta*
Stål, Hemip. Afr., ii, pp. 8, 85, 1865. [Hahn.)
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 101, 1868.
Stål, Of. Vet. Akad. Forh., xxiv, p. 544, 1867.

244. **Leptoglossus phyllopus** (Linn.)

Linnaeus, Syst. Nat., Edn. 12, i, pt. 2, p. 731, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 708, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 224, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 351, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 289, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 139, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 210, 1803, *Lygaeus.*
Wolff, Icon. Cimic., v, p. 196, fig. 190, 1811, *Lygaeus.*
Burmeister, Handb. d. Ent., ii, p. 332, 1835, *Anisoscelis.*
?Blanchard, Hist. des Ins., Hémip., p. 123, 1840, *Anisoscelis.*
Westwood, Hope Cat., ii, p. 16, 1842, *Anisoscelis.*
?Amyot and Serville, Hémip., p. 218, 1843, *Anisoscelis.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 103, 1868, *Theognis.*
Stål, Enum. Hemip., i, p. 161, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 400, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 383, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 124, 1881.
Distant, Proc. Zool. Soc. Lond. for 1901, p. 330.
Barber, Brookl. Inst. Sci. Bul., i, p. 265, 1906.
Girault, Ent. News, xvii, p. 382, 1906 (feeding habits).
—— Stoll, Punaise, p. 30, fig. 54, 1792 (without name).
albicinctus (Say), Heter. N. Harm., p. 12, 1832; Fitch reprint, p. 771;
[Compl. Writ., i, p. 326, *Anisoscelis.*
Stål, Hemip. Fabr., i, p. 52, 1868.
fraterna (Westwood), Hope Cat., ii, p. 16, 1842, *Anisoscelis.*
confusa (Dallas), List of Hemip., ii, p. 453, 1852, *Anisoscelis.*
Localities: N. Y., Va., N. C., Fla., Mo., Okl., La., Texas, Ariz.,
(Neotropical.)

245. **Leptoglossus zonatus** (Dall.)

Dallas, List of Hemip., ii, p. 452, 1852, *Anisoscelis.*
Stål, Stet. Ent. Zeit., xxiii, p. 295, 1862, *Theognis.*
Stål, Enum. Hemip., i, p. 162, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 125, pl. 12, fig. 16, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 233, 1894.
Cockerell, Ent. News, xvi, p. 18, 1905.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Localities: Ariz., Calif.

246. **Leptoglossus corculus** (Say)

Say, Heter. N. Harm., p. 12, 1832; Fitch reprint, p. 770; Compl. Writ., i, p.
Stål, Enum. Hemip., i, p. 165, 1870. [326, *Anisoscelis.*

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 383, 1878.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 233, 1894.
Gillette and Baker, Hemip. Colo., p. 17, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Bueno and Brimley, Ent. News, xviii, p. 440, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910.
excellens (Mayr), Verh. Zool.-Bot. Ges. Wien, xv, p. 434, 1865, *Theognis.*
Localities: N. Y., N. J., Md., D. C., N. C., Ga., Fla., Tenn., Colo., N. Mex., Ariz., Calif.

247. **Leptoglossus occidentalis** Heid.

Heidemann, Proc. Ent. Soc. Wash., xii, p. 196, pl. 8, fig. 2, 1910.
Localities: Colo., Idaho, Calif., Vanc. Isd.

248. **Leptoglossus oppositus** (Say)

Say, Heter. N. Harm., p. 12, 1832; Fitch reprint, p. 771; Compl. Writ., i, p. [327, *Anisoscelis.*
Stål, Enum. Hemip., i, p. 163, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 298, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 383, 1878.
Distant, Trans. Ent. Soc. Lond. for 1900, p. 691.
Bueno and Brimley, Ent. News, xviii, p. 440, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910.
tibialis (Herrich-Schaeffer), Wanz. Ins., vii, p. 12, 1844, *Anisoscelis.*
Walker, Cat. Heter., iv, p. 125, 1871, *Anisoscelis.*
Localities: N. Y., N. J., Pa., Md., N. C., Ga., Ind., Ky., Okl., Texas. (Mexico.)

249. **Leptoglossus fulvicornis** (Westw.)

Westwood, Hope Cat., ii, p. 17, 1842, *Anisoscelis.*
Stål, Enum. Hemip., i, p. 161, 1870.
Distant, Proc. Ent. Soc. Lond. for 1901, p. 330, pl. 30, fig. 4.
magnoliae Heidemann, Proc. Ent. Soc. Wash., xii, p. 191, pl. 7, 1910; xiii, [p. 132, 1911 (egg).
Localities: Mass., N. Y., D. C., N. C., Ga., Fla.

250. **Leptoglossus gonagra** (Fabr.)

Fabricius, Syst. Ent., p. 708, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 241, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 352, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 289, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2143, *Cimex.*
Fabricius, Ent. Syst., iv, p. 140, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 210, 1803, *Lygaeus.*
Burmeister, Handb. d. Ent., ii, p. 332, 1835, *Anisoscelis.*
Westwood, Hope Cat., ii, p. 16, 1842, *Anisoscelis.*
Dallas, List of Hemip., ii, p. 453, 1852, *Anisoscelis.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 387, 1857, *Anisoscelis.*
Stål, Stet. Ent. Zeit., xxiii, p. 295, 1862, *Theognis.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 103, 1868, *Theognis gonager.*
Stål, Hemip. Fabr., i, p. 51, 1868.

Stål, Enum. Hemip., i, p. 165, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 126, 1881.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 417, 1901.
Banks, Cat. Nearc. Hemip., p. 78, 1910.
grallator (Herbst), Gem. Naturges., vi, p. 259, pl. 31B, fig. 2, 1784, *Cimex.*
antica (Herrich–Schaeffer), Wanz. Ins., iii, p. 92, fig. 316, 1835, *Anisoscelis.*
Dallas, List of Hemip., ii, p. 453, 1852, *Anisoscelis.*
praecipua (Walker), Cat. Heter., iv, p. 128, 1871, *Anisoscelis.*
Localities: Fla. (Neotropical.)

251. **Leptoglossus ashmeadi** Heid.

Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 237, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
Locality: Fla.

252. **Leptoglossus clypealis** Heid.

Heidemann, Proc. Ent. Soc. Wash., xii, p. 195, pl. 8, fig. 1, 1910.
Localities: Colo., Utah, N. Mex., Ariz., Calif., Oregon.

Genus **Narnia** Stål
Haplotype *femorata* Stål

Stål, Stet. Ent. Zeit., xxiii, pp. 294, 296, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 544, 1867.
Stål, Enum. Hemip., i, p. 166, 1871.
Distant, Biol. Cent. Am., Heter., i, p. 126, 1881.

Subgenus **Narnia** Stål

Van Duzee, Ent. News, xvii, p. 386, 1906.

253. **Narnia femorata** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 296, 1862.
Stål, Enum. Hemip., i, p. 166, 1870.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Distant, Biol. Centr. Am., Heter., i, p. 127, pl. 13, fig. 4, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Van Duzee, Ent. News, xvii, p. 384, 1906.
Localities: Texas, N. Mex., Ariz. (Mexico.)

254. **Narnia inornata** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 361, pl. 33, fig. 10, 1892.
Banks, Cat. Nearc. Hemip., p. 78, 1910.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. 113, p. 41, 1913.
Localities: Calif. (Mexico.)

255. **Narnia pallidicornis** Stål

Stål, Enum. Hemip., i, p. 166, 1870.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 266, 1906.
Van Duzee, Ent. News, xvii, p. 385, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Hunter and Pratt., U. S. Dept. Agr., Div. Ent., Bul. 113, p. 32, 1913.
Localities: Texas, Ariz., Calif. (Mexico.)

Subgenus **Xerocoris** Van D.
Logotype *snowi* Van D.

Van Duzee, Ent. News, xvii, p. 384, 1906.
Van Duzee, Can. Ent., xl, p. 384, 1909 (names *snowi* type); xli, p. 372, 1910.

256. **Narnia snowi** Van D.

Van Duzee, Ent. News, xvii, p. 384, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. 113, p. 41, 1913.
Locality: Ariz.

257. **Narnia wilsoni** Van D.

Van Duzee, Ent. News, xvii, p. 385, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 5, 1914.
Localities: Ariz., Calif.

TRIBE *LEPTOSCELINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, p. 545, 1867, *Leptoscelidida.*
Stål, Enum. Hemip., i, p. 167, 1870, Div. *Leptoscelidina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 50, 1894, Subfam. *Leptoscelidae.*
Bergroth, Mém. Soc. Ent. Belg., xx, p. 143, 1914, Div. *Leptoscelidaria.*

Genus **Phthia** Stål
Logotype *lunata* (Fabr.)

Stål, Stet. Ent. Zeit., xxiii, p. 294, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 545, 1867.
Stål, Enum. Hemip., i, p. 169, 1870.

258. **Phthia picta** (Drury)

Drury, Illust. Exotic Ent., i, p. 107, pl. 45, fig. 1, 1770, *Cimex.*
Westwood, Hope Cat., ii, p. 17, 1842, *Leptoscelis.*
Dallas, List of Hemip., ii, p. 457, 1852, *Leptoscelis.*
Stål, Stet. Ent. Zeit., xxiii, p. 296, 1862.
Stål, Hemip. Fabr., i, p. 53, 1868.
Stål, Enum. Hemip., i, p. 170, 1870.
Walker, Cat. Heter., iv, p. 131, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 249, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 128, 1881.
Snow, Trans. Kan. Acad., Sci., xx, pt. 1, p. 151, 1906.
ciliatus (Fabricius), Syst. Ent., p. 706, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 239, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 348, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 286, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 103, 1794, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2140, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 103, 1794, *Cimex.*
Fabricius, Syst. Rhyng., p. 164, 1803, *Cimex.*
leprosus (Fabricius), Syst. Ent., p. 719, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 257, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 364, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 299, 1787, *Cimex.*

Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2171, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 154, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 222, 1803, *Lygaeus.*
candelabrum (Goeze), Ent. Beytr., ii, p. 254, 1778, *Cimex.*
crenulatus (Fabricius), Spec. Ins., ii, p. 353, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 290, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2144, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 144, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 250, 1803, *Alydus.*
dispar (Fabricius), Syst. Rhyng., p. 214, 1803, *Lygaeus.*
divisus (Herrich–Schaeffer), Wanz. Ins., vii, p. 9, fig. 685, 1844, *Anisoscelis.*
pulverulentus (Herrich–Schaeffer), Wanz. Ins., vii, p. 9, 1844, *Anisoscelis.*
obscura (Dallas), List of Hemip., ii, p. 458, 1852, *Leptoscelis.*
annulipes (Guerin) *in* Sagra, Hist. de Cuba, Ins., p. 388, 1857, *Anisoscelis.*
Localities: Texas, Calif. (Neotropical.)

Genus **Amblyomia** Stål
Haplotype *bifasciata* Stål

Stål, Enum. Hemip., i, p. 171, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 129, 1881.

259. **Amblyomia bifasciata** Stål

Stål, Enum. Hemip., i, p. 172, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 129, 1881.
Banks, Cat. Nearc. Hemip., p. 77, 1910.
Localities: "West States."

TRIBE *MICTINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, pp. 535, 538, 1867, *Mictida.*
Stål, Enum. Hemip., i, p. 130, 1870, *Mictina;* iii, pp. 34, 37, 1873, Div. *Mictaria.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876, *Mictina.*
Distant, Biol. Centr. Am., Heter., i, p. 106, 1881, *Mictinae.*
Uhler, Check List, p. 10, 1886, *Mictina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 5, 1894, *Mictidae.*
Oshanin, Verz. Palae. Hemip., i, p. 177, 1906, Div. *Mictaria.*
Oshanin, Kat. Palae. Hemip., p. 20, 1912, *Mictaria.*
Acanthoceraria Bergroth, Mém. Soc. Ent. Belg., xxii, p. 144, 1913.

Genus **Thasus** Stål
Logotype *gigas* (Burm.)

Stål, Ann. Soc. Ent. Fr., Ser. 4, v, p. 174, 1865.
Stål, Of. Vet. Akad. Forh., xxiv, p. 538, 1867.
Stål, Enum. Hemip., i, p. 132, 1870.

260. **Thasus gigas** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 338, 1835, *Pachylis.*
Brullé, Hist. Nat. des Ins., ix, p. 368, 1835, *Pachylis.*
Blanchard, Hist. des Ins., Hémip., p. 121, 1840, *Pachylis.*
Dallas, List of Hemip., ii, p. 383, 1852, *Pachylis.*
Stål, Enum. Hemip., i, p. 132, 1870.
Uhler, Wheeler's Surv. 100th Mer., v, p. 831, 1875, *Pachylis.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876, *Pachylis.*

Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325, *Pachylis.*
Distant, Biol. Centr. Am., Heter., i, p. 108, pl. 10, figs. 18, 19, 1881.
Uhler, Check List, p. 10, 1886, *Pachylis.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 232, 1894, *Pachylis.*
Localities: N. Mex., Ariz. (Mexico.)

Genus **Mozena** Am. & Serv.
Haplotype *spinicrus* Am. & Serv. = *brunnicornis* (H. S.)

Amyot and Serville, Hémip., p. 192, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 538, 1867.
Stål, Enum. Hemip., i, p. 134, 1870.
Walker, Cat. Heter., iv, p. 46, 1871.
†*Archimerus* Stål, Stet. Ent. Zeit., xxiii, pp. 277, 278, 1862.

Subgenus **Mozena** Am. & Serv.

Stål, Enum. Hemip., i, p. 134, 1870.

261. **Mozena brunnicornis** (H. S.)

Herrich-Schaeffer, Wanz. Ins., vi, p. 26, fig. 582, 1842, *Archimerus.*
Stål, Enum. Hemip., i, p. 134, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 109, 1881.
Banks, Cat. Nearc. Hemip., p. 80, 1910.
spinicrus Amyot and Serville, Hémip., p. 192, 1843.
Stål, Ann. Soc. Ent. Fr., Ser. 4, v, p. 175, 1865.
Walker, Cat. Hemip., iv, p. 46, 1871.
Localities: Ariz. (Mexico.)

262. **Mozena lineolata** (H. S.)

Herrich-Schaeffer, Wanz. Ins., vi, p. 25, fig. 581, 1842, *Archimerus.*
Dallas, List of Hemip., ii, p. 418, 1851, *Archimerus.*
Stål, Enum. Hemip., i, p. 134, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 296, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 110, 1881.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 158, 1907.
Localities: Ariz., Calif. (Mexico.)

263. **Mozena obtusa** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 296, 1876.
Townsend, Can. Ent., xxiv, p. 193, 1892.
Barber, Brookl. Inst. Sci. Bul., i, p. 265, 1906.
Localities: Texas, N. Mex.

264. **Mozena lurida** (Dall.)

Dallas, List of Hemip., ii, p. 417, 1852, *Archimerus.*
Stål, Stet. Ent. Zeit., xxiii, p. 279, 1862, *Archimerus.*
Stål, Enum. Hemip., i, p. 135, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 111, pl. 12, fig. 1, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 264, 1906.
Localities: Texas. (Neotropical.)

265. **Mozena lunata** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 322, 1835, *Archimerus.*
Herrich-Schaeffer, Wanz. Ins., vi, p. 24, fig. 580, 1842, *Archimerus.*

Dallas, List of Hemip., ii, p. 416, 1852, *Archimerus.*
Stål, Stet. Ent. Zeit., xxiii, p. 279, 1862, *Archimerus.*
Stål, Enum. Hemip., i, p. 134, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 110, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 264, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906; pt. 2, p. 158, 1907.
Localities: Texas, N. Mex., Ariz. (Mexico.)

Subgenus **Rhombogaster** Dall.
Haplotype *lutea* H. S.

Dallas, List of Hemip., ii, pp. 379, 415, 1852.
Stål, Enum. Hemip., i, p. 135, 1870.
†*Discogaster* Amyot and Serville, Hémip., p. 191, 1843.

266. **Mozena obesa** Montd.

Montandon, Bul. Soc. Sci. Bucarest, viii, p. 190, 1899.
Locality: Fla.

Genus **Capaneus** Stål
Logotype *rubro-notatus* Stål

Stål, Stet. Ent. Zeit., xxiii, pp. 277, 279, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 538, 1867.
Stål, Enum. Hemip., i, p. 135, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 111, 1881.

Subgenus **Xuthus** Stål
Haplotype *auriculatus* Stål

Stål, Enum. Hemip., i, p. 136, 1870.

267. **Capaneus auriculatus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 289, 1862.
Stål, Enum. Hemip., i, p. 136, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 296, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 112, pl. 11, fig. 8, 1881.
Localities: Texas, N. Mex. (Neotropical.)

Subgenus **Rhyparopharus** Stål
Haplotype *spurcus* Stål

Stål, Enum. Hemip., i, p. 137, 1870.

268. **Capaneus spurcus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 291, 1862.
Distant, Biol. Centr. Am., Heter., i, p. 113, pl. 12, fig. 3, 1881.
Banks, Cat. Nearc. Hemip., p. 80, 1910.
Localities: Ariz. (Mexico.)

269. **Capaneus incubitor** (Fabr.)

Fabricius, Ent. Syst., iv, p. 136, 1794 *Lygaeus.*
Stål, Enum. Hemip., i, p. 227, 1870, *Lygaeus.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 126, 1894, *Lygaeus.*
Locality: "Carolina."

Genus **Archimerus** Burm.

Logotype *squalus* Burm. = *alternatus* Say

Burmeister, Handb. d. Ent., ii, p. 321, 1835.
?Herrich-Schaeffer, Wanz. Ins., vi, p. 23, 1842; ix, p. 240, 1853.
Stål, Of. Vet. Akad. Forh., xxiv, p. 538, 1867.
Stål, Enum. Hemip., i, p. 137, 1871.
Distant, Biol. Centr. Am., Heter., i, p. 130, 1881.
Piezogaster Amyot and Serville, Hémip., p. 197, 1843.
Stål, Stet. Ent. Zeit., xxiii, pp. 277, 292, 1862. [*loricata* Dist.)
Ojedena Distant, Biol. Centr. Am., Heter., i, p. 356, 1892. (Haplotype

270. **Archimerus calcarator** (Fabr.)

Fabricius, Syst. Rhyng., p. 192, 1803, *Coreus.*
Stål, Hemip. Fabr., i, p. 47, 1868.
Stål, Enum. Hemip., i, p. 137, 1870 (not distinguished from next).
?Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 158, 1909.
Banks, Cat. Nearc. Hemip., p. 80, 1910 (part).
Localities: "Carolina," Fla.

271. **Archimerus alternatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 317, 1825; Compl. Writ., ii, p. 243,
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1872. [*Coreus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 159, 1909.
squalus Burmeister, Handb. d. Ent., p. 321, 1835.
?rubiginosus Herrich-Schaeffer, Wanz. Ins., xi, p. 83, 1842.
muticus Herrich-Schaeffer, Wanz. Ins., vi, p. 52, fig. 612, 1842.
?Walker, Cat. Heter., iv, p. 63, 1871.
albonotatus (Amyot and Serville), Hémip., p. 197, 1843, *Piezogaster.*
†*calcarator* Stål, Hemip. Fabr., i, p. 47, 1868.
Stål, Enum. Hemip., i, p. 137, 1870 (part).
Walker, Cat. Heter., iv, p. 62, 1871.
Uhler, Hayden's Surv. Terr. for 1871, p. 399, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 233, 1894.
Gillette and Baker, Hemip. Colo., p. 17, 1895.
Banks, Cat. Nearc. Hemip., p. 80, 1910 (part).
Localities: N. J., N. C., Tenn., Ill., Mich., Wisc., Kan., Okl., Colo.

272. **Archimerus indecorus** Walk.

Walker, Cat. Heter., iv, p. 64, 1871.
Distant, Biol. Centr. Am., Heter., i, p. 114, pl. 12, figs. 4, 5, 1881.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 159, 1909.
Localities: Ariz. (Mexico.)

273. **Archimerus ashmeadi** Montd.

Montandon, Bul. Soc. Sci. Bucarest, viii, p. 194, 1899.
Locality: Fla.

Genus **Mamurius** Stål

Haplotype *mopsus* Stål

Stål, Stet. Ent. Zeit., xxiii, pp. 278, 293, 1862.
Stål, Enum. Hemip., i, p. 138, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 115, 1881.

274. **Mamurius mopsus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 293, 1862.
Stål, Enum. Hemip., i, p. 138, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 115, pl. 12, fig. 15, 1881.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 37, 1910.
Localities: Ariz. (Mexico.)

Genus **Hymeniphera** Lap.

Orthotype *crucifer* P. B.

Laporte, Essai Classif. Syst. Hémip., p. 43, 1832.
Kirkaldy, Entomol., xxxiii, p. 240, 1900.
‡*Hymenophora* Amyot and Serville, Hémip., p. 212, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 539, 1867.
Mayr, Reise Freg. Novara, Zool., ii, p. 88, 1868.
†*Acanthocerus* Stål, Enum. Hemip., i, p. 144, 1870.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 20, 1894.
Distant, Biol. Centr. Am., Heter., i, p. 116, 1881.

275. **Hymeniphera lobata** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 318, 1835, *Crinocerus*.
Herrich-Schaeffer, Wanz. Ins., vi, p. 17, fig. 573, 1842, *Crinocerus*.
Guerin, Sagra, Hist. de Cuba, Ins., p. 382, 1857, *Coreus* (*Camptischium*).
Stål, Enum. Hemip., i, p. 144, 1870.
Walker, Cat. Heter., iv, p. 113, 1871, *Crinocerus*.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 171, 1914.
Localities: N. Mex. (West Indies.)

Genus **Euthochtha** Mayr

Haplotype *galeator* (Fabr.)

Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 431, 1865.
Mayr, Reise Freg. Novara, Zool., ii, p. 88, 1868.
Stål, Of. Vet. Akad. Forh., xxiv, p. 539, 1867.
Stål, Enum. Hemip., i, p. 145, 1870 (as subgen. of *Acanthocerus*).

276. **Euthochtha galeator** (Fabr.)

Fabricius, Syst. Rhyng., p. 191, 1803, *Coreus*.
Dallas, List of Hemip., ii, p. 408, 1852, *Crinocerus*.
Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 431, 1865.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 87, 1866.
Stål, Hemip. Fabr., i, p. 49, 1868.
Stål, Enum. Hemip., i, p. 145, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 381, 1878.
Bueno, Can. Ent., xl, p. 165, 1908 (larva).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 159, 1909.
tibialis (Herrich-Schaeffer), Wanz. Ins., vi, p. 21, fig. 576, 1842, *Crinocerus*.
Localities: Mass., Conn., N. Y., N. J., Pa., Va., N. C., Fla., Ohio, Ill., Mich., Wisc., Neb., Kan., Texas.

TRIBE *CORECORINI* Van D.

Van Duzee, Check List Hemip., p. 12, 1916 (n.n. for *Spartoceridae* Dall.).
Spartoceridae Dallas, List of Hemip., ii, p. 369, 1852.
Stål, Of. Vet. Akad. Forh., xxiv, p. 545, 1867, *Spartocerida.*
Stål, Enum. Hemip., i, p. 172, 1870, Div. *Spartocerina.*
Berg, Hemip. Argent., p. 75, 1879, Div. *Spartoceraria.*
Distant, Biol. Centr. Am., Heter., i, p. 129, 1881, Div. *Spartoceraria.*
Menenotaria Bergroth, Mem. Soc. Ent. Belg., xxii, p. 147, 1913 (Division).

Genus **Corecoris** Hahn
Haplotype *cinnamomeus* Hahn

Hahn, Wanz. Ins., ii, p. 14, 1834.
¶*Spartocera* Laporte, Essai Classif. Syst. Hémip., pp. 42, 43, 1832.
‡*Spartocerus* Burmeister, Handb. d. Ent., ii, pp. 341, 342, 1835.
Herrich-Schaeffer, Wanz. Ins., vi, p. 11, 1842, *Spartocerus.*
Amyot and Serville, Hémip., p. 186, 1843, *Spartocera.*
Spinola, Tavola Sinot., p. 41, 1850, *Spartocera.*
Dallas, List of Hemip., ii, pp. 370, 373, 1852, *Spartocera.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 189, 1853, *Spartocera.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 546, 1867, *Spartocera.*
Stål, Enum. Hemip., i, p. 172, 1870, *Spartocera.*
Walker, Cat. Hemip., iv, p. 4, 1871, *Spartocera.*
Distant, Biol. Centr. Am., Heter., i, p. 130, 1881, *Spartocera.*
‡*Coreocoris* Brullé, Hist. des Ins., ix, p. 365, 1835.
Spinola Essai sur les Hémip., p. 150, 1837.

277. **Corecoris fuscus** (Thunb.)

Thunberg, Nova Ins., Spec. ii, p. 44, 1783, *Cimex.*
Dohrn, Cat. Hemip., p. 23, 1859, *Spartocera.*
Stål, Rio Jan. Hemip., i, p. 29, 1860, *Spartocera.*
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 79, 1866, *Spartocera.*
Stål, Hemip. Fabr., i, p. 54, 1868, *Spartocera.*
Stål, Enum. Hemip., i, p. 174, 1870, *Spartocera.*
Berg, Hemip. Argent., p. 76, 1879, *Spartocera.*
Distant, Biol. Centr. Am., Heter., i, p. 130, 1881, *Spartocera.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 420, 1901, *Spartocera.*
moestus (Fabricius), Ent. Syst., iv, p. 198, 1794, *Reduvius.*
Fabricius, Syst. Rhyng., p. 193, 1803, *Coreus.*
Dallas, List of Hemip., ii, p. 374, 1852, *Spartocera.*
geniculatus (Burmeister), Handb. d. Ent., ii, p. 342, 1835, *Spartocerus.*
Herrich-Schaeffer, Wanz. Ins., vi, p. 89, fig. 660, 1842, *Spartocerus.*
Amyot and Serville, Hémip., p. 186, 1843, *Spartocera.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 378, 1857, *Coreus.*
serrulatus (Herrich-Schaeffer), Wanz. Ins., vi, pp. 12, 90, fig. 968, 1842,
lateritus (Westwood), Hope. Cat., ii, p. 7, 1842, *Spartocera.* [*Spartocera*
affinis (Westwood), Hope Cat., ii, p. 7, 1842, *Spartocera.*
†*diffusa* (Uhler), Proc. Zool. Soc. Lond. for 1893, p. 705, *Spartocera.*
Localities: Fla. (Neotropical.)

278. **Corecoris diffusus** (Say)

Say, Heter. N. Harm., p. 11, 1832; Fitch reprint, p. 770; Compl. Writ., i, p.
Stål, Enum. Hemip., i, p. 175, 1870, *Spartocera.* [325, *Coreus*

Uhler, Check List, p. 9, 1886, *Spartocera.*
†*cinnamomea* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876, *Sparto-*
Banks, Cat. Nearc. Hemip., p. 81, 1910, *Spartocera.* [*cera.*
Localities: Ga., Fla., N. Mex., Texas.
[This species may not be distinct from *fuscus.*]

279. **Corecoris confluentus** (Say)

Say, Heter. N. Harm., p. 11, 1832; Fitch reprint, p. 769; Compl. Writ., i, p. [325, *Coreus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 297, 1876, *Sagotylus.*
Uhler, Check List, p. 10, 1886, *Sagotylus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 233, 1894, *Sagotylus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 159, 1909, *Spartocera.*
Localities: Fla., Ariz., Calif. (Mexico.)

Genus **Sephina** Am. & Serv.
Haplotype *pustulata* (Fabr.)

Amyot and Serville, Hémip., p. 185, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 546, 1867.
Stål, Enum. Hemip., i, p. 176, 1870.
Walker, Cat. Heter. iv, p. 3, 1871.
Distant, Biol. Centr. Am., Heter., i, p. 131, 1881.

280. **Sephina gundlachii** (Guer.)

Guerin *in* Sagra, Hist. de Cuba, Ins., p. 377, pl. 13, fig. 6, 1857, *Coreus.*
Stål, Enum. Hemip., i, p. 177, 1870.
Banks, Cat. Nearc. Heter., p. 81, 1910.
Localities: Fla. (Banks). (West Indies.)

281. **Sephina grayi** Van D.

Van Duzee, Ent. News, xx, p. 232, 1909.
Locality: Fla.

282. **Sephina limbata** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 273, 1862.
Stål, Enum. Hemip., i, p. 177, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 132, pl. 12, fig. 22, 1881.
Banks, Cat. Nearc. Hemip., p. 81, 1910.
Localities: Calif.(?) (Banks). (Neotropical.)

TRIBE *CHARIESTERINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, p. 546, 1867, *Chariesterida.*
Stål, Enum. Hemip., i, p. 178, 1870, Div. *Chariesterina.*
Distant, Biol. Centr. Am., Heter., i, p. 133, 1881, *Chariesteria.*
Uhler, Check List., p. 9, 1886, *Chariesterina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 62, 1894, Subfam. *Chariesterida.*

Genus **Chariesterus** Lap.
Orthotype *gracilis* Lap. = *armatus* Thunb.

Laporte, Essai Classif. Syst. Hémip., p. 44, 1832.
Burmeister, Handb. d. Ent., ii, p. 316, 1835.
Spinola, Essai sur les Hémip., p. 145, 1837 (1840).

Blanchard, Hist. des Ins., Hémip., p. 120, 1840 (as subgen. of *Coreus*).
Amyot and Serville, Hémip., p. 210, 1843.
Herrich-Schaeffer, Wanz. Ins., vii, p. 3, 1844.
Spinola, Tavola Sinot., p. 41, 1850.
Dallas, List of Hemip., ii, p. 510, 1852.
Herrich-Schaeffer, Wanz. Ins., ix, pp. 237, 248, 1853.
Stål, Of. Vet. Akad. Forh., xvi, p. 473, 1859; xxiv, p. 546, 1867.
Stål, Enum. Hemip., i, p. 178, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 133, 1881.

283. **Chariesterus antennator** (Fabr.)

Fabricius, Syst. Rhyng., p. 198, 1803, *Coreus*. [323, *Gonocerus*.
Say, Heter. N. Harm., p. 10, 1832; Fitch reprint, p. 768; Compl. Writ., i, p.
Blanchard, Hist. des Ins. Hémip., p. 120, 1840 (excel. synon.).
Dallas, List of Hemip., ii, p. 510, 1852.
Stål, Enum. Hemip., i, p. 178, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 291, 1876; iii, p. 405, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 385, 1878.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 232, 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 266, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910. [Writ., i, p. 323, *Gonocerus*.
dubius (Say), Heter. N. Harm., p. 10, 1832; Fitch reprint, p. 768; Compl.
†*moestus* (Herrich-Schaeffer), Wanz. Ins., vii, p. 3, fig. 681, 1844.
Localities: Pa., N. J., Va., N. C., Ga., Fla., Ind., Mich., Kan., Okl., Colo., Texas.

284. **Chariesterus cuspidatus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 364, pl. 33, fig. 14, 1892.
Barber, Brookl. Inst. Sci. Bul., i, p. 266, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906.
Localities: Texas. (Panama.)

285. **Chariesterus albiventris** Burm.

Burmeister, Handb. d. Ent., ii, p. 317, 1835.
Stål, Enum. Hemip., i, p. 178, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 134, pl. 13, fig. 11, 1881.
Snow, Trans. Kan. Acad. Sci., xx, pl. 1, p. 151, 1906.
Localities: Texas. (Mexico.)

TRIBE *COREINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, p. 547, 1867, *Coreida*.
Stål, Enum. Hemip., i, p. 180, 1870, *Coreina*.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 51, 1872, *Corearia*.
Stål, Enum. Hemip., iii, p. 37, 1873, *Corearia*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876, *Coreina*.
Distant, Biol. Centr. Am., Heter., i, p. 135, 1881, Div. *Corearia*.
Uhler, Check List, p. 11, 1886, *Corearia*.
Oshanin, Kat. Palae. Hemip., p. 21, 1912, *Corearia*.

Bergroth, Mém. Soc. Ent. Belg., xxii, p. 153, 1913 (as division).
Centroscelidae Lethierry and Severin, Cat. Génl. Hémip., ii, p. 69, 1894 [(as subfamily.)
Oshanin, Verz. Palae. Hemip., i, p. 185, 1906, Div. *Centroscelidaria.*
Hypselonotaria Bergroth, Mém. Soc. Ent. Belg., xxii, p. 149, 1913 (as [division.)

Genus **Madura** Stål
Haplotype *fusco-clavata* Stål

Stål, Rio Jan. Hemip., i, p. 35, 1860.
Stål, Stet. Ent. Zeit., xxiii, p. 305, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 547, 1867.
Distant, Biol. Centr. Am., Heter., i, p. 135, 1881.

286. **Madura perfida** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 304, 1862.
Stål, Enum. Hemip., i, p. 180, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 135, pl. 13, fig. 16, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 179, 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 267, 1906.
Localities: Texas. (West Indies, Mexico.)

Genus **Chelinidea** Uhler
Haplotype *vittiger* Uhler

Uhler, Trans. Am. Ent. Soc., ii, p. 365, 1863.
Stål, Enum. Hemip., i, p. 180, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 136, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 54, 1885. [*tabulata* Burm.)
Xiphares Stål, Of. Vet. Akad. Forh., xxiv, p. 551, 1867. (Orthotype

287. **Chelinidea tabulata** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 311, 1835, *Gonocerus.*
Stål, Stet. Ent. Zeit., xxiii, p. 304, 1862, *Plunentis.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 551, 1867, *Xiphares.*
Stål, Enum. Hemip., i, p. 181, 1870.
Walker, Cat. Heter., iv, p. 184, 1871, *Xiphares.*
Distant, Biol. Centr. Am., Heter., i, p. 136, pl. 13, fig. 17, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 267, 1906.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. N. S. 113, p. 19, 1913.
Localities: Texas, Utah, Colo., Calif. (Mexico.)

288. **Chelinidea vittiger** Uhl.

Uhler, Trans. Am. Ent. Soc., ii, p. 366, 1863.
Stål, Enum. Hemip., i, p. 180, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876; iii, p. 405, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Provancher, Pet. Faune Ent. Can., iii, p. 55, 1885.
Townsend, Can. Ent., xxiv, p. 193, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Gillette and Baker, Hemip. Colo., p. 17, 1895.
Van Duzee, Can. Ent., xliv, p. 319, 1912.

Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. N. S. 113, p. 15, 1913.
Localities: Quebec(?), Va., Ga., La., Colo., N. Mex., Utah, Idaho, Texas, Ariz., Calif.

Genus **Margus** Dall.
Logotype *pectoralis* Dall.

Dallas, List of Hemip., ii, p. 523, 1852.
Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 549, 1867.
Stål, Hemip. Fabr., i, pp. 57, 58, 1868.
Stål, Enum. Hemip., i, p. 184, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 136, 1881.
Bergroth, Ann. Soc. Ent. Belg., lvi, p. 88, 1912.
Althos Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Margus*).
Banks, Cat. Nearc. Hemip., p. 75, 1910.

289. **Margus inconspicuus** (H. S.)
Herrich-Schaeffer, Wanz. Ins., vi, p. 14, fig. 570, 1842, *Syromastes*.
Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
Stål, Hemip. Fabr., i, p. 58, 1868.
Stål, Enum. Hemip., i, p. 184, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876; iii, p. 405, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Distant, Biol. Centr. Am., Heter., i, p. 137, 1881.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Localities: Colo., N. Mex., Texas., Ariz., Calif. (Mexico.)

290. **Margus obscurator** (Fabr.)
Fabricius, Syst. Rhyng., p. 200, 1803, *Coreus*.
Stål, Hemip. Fabr., i, pp. 57, 58, 1868.
Stål, Enum. Hemip., i, p. 185, 1870.
Berg, Hemip. Argent., p. 81, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 137, 1881.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 424, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909, *Althos*.
impudens Stål, Rio Jan. Hemip., i, p. 37, 1860.
Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
†*inornatus* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 179.
Localities: Fla. (Neotropical.)

Genus **Namacus** Am. & Serv.
Haplotype *transvirgatus* A. & S.

Amyot and Serville, Hémip., p. 242, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 547, 1867.
Stål, Enum. Hemip., i, p. 186, 1870. [*prominulus* Stål.)
Dirnalus Stål, Of. Vet. Akad. Forh., xvi, p. 454, 1859. (Haplotype

291. **Namacus annulicornis** Stål
Stål, Enum. Hemip., i, p. 186, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 137, pl. 14, fig. 8, 1881.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 520, 1914.
Localities: Fla. (Mexico.)

Genus **Scolopocerus** Uhl.
Haplotype *secundarius* Uhl.

Uhler, Wheeler's Surv. 100th Mer., v, p. 832, 1875.
Distant, Biol. Centr. Am., Heter., i, p. 164, 1881.
Van Duzee, Can. Ent., xli, p. 372, 1909.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 167, 1914. (Key.)

292. **Scolopocerus secundarius** Uhl.

Uhler, Wheeler's Surv. 100th Mer., v, p. 833, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Barber, Brookl. Inst. Sci. Bul., i, p. 268, 1906.
Localities: Colo., Texas, Ariz. (Mexico.)

293. **Scolopocerus granulosus** Barb.

Barber, Jl. N. Y. Ent. Soc., xxii, p. 166, 1914.
Locality: Texas.

294. **Scolopocerus uhleri** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 164, pl. 16, fig. 6, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 269, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Localities: Ariz., N. Mex.

Genus **Catorhintha** Stål
Logotype *guttula* Fabr.

Stål, Of. Vet. Akad. Forh., xvi, p. 470, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 549, 1867.
Stål, Enum. Hemip., i, p. 187, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 138, 1881.

295. **Catorhintha guttula** (Fabr.)

Fabricius, Ent. Syst., iv, p. 162, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 228, 1803, *Lygaeus.*
Stål, Of. Vet. Akad. Forh., xvi, p. 471, 1859.
Stål, Hemip. Fabr., i, p. 58, 1868.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Gillette and Baker, Hemip. Colo., p. 18, 1895.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 424, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 12, 1907; ix, p. 160, 1909.
dorsiger (Westwood), Hope Cat., ii, p. 25, 1842, *Gonocerus.*
Dallas, List of Hemip., ii, p. 504, 1852, *Anasa.*
Guerin, Sagra, Hist. de Cuba, Ins., p. 380, 1857, *Coreus.*
†*selector* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 179.
Localities: Fla., Okl., Texas, N. Mex., Colo., Ariz. (Neotropical.)

296. **Catorhintha mendica** Stål

Stål, Enum. Hemip., i, p. 187, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876; iii, p. 405, 1877.
Wheeler's Rept. Chief Eng., for 1877, p. 1324.
Distant, Biol. Centr. Am., Heter., i, p. 138, pl. 13, fig. 21, 1881.
Gillette and Baker, Hemip. Colo., p. 18, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Localities: Dak., Colo., Okl., Texas, Ariz. (Mexico.)

297. **Catorhintha selector** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 471, 1859.
Stål, Enum. Hemip., i, p. 188, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 138, pl. 13, fig. 19, 1881.
Localities: Texas, N. Mex., Ariz. (Mexico.)

298. **Catorhintha texana** Stål

Stål, Enum. Hemip., i, p. 188, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876.
Barber, Brookl. Inst. Sci. Bul., i, p. 267, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Localities: Okl., N. Mex., Texas, Ariz.

Genus **Ficana** Stål
Haplotype *apicalis* (Dall.)

Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 548, 1867.
Stål, Enum. Hemip., i, p. 188, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 138, 1881.

299. **Ficana apicalis** (Dall.)

Dallas, List of Hemip., ii, p. 499, 1852, *Gonocerus*.
Stål, Stet. Ent. Zeit., xxiii, p. 303, 1862.
Stål, Enum. Hemip., i, p. 188, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 138, pl. 14, fig. 1, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 235, 1894.
?Gillette and Baker, Hemip. Colo., p. 18, 1895.
Localities: Colo.(?), Ariz., Calif. (Mexico.)

Genus **Cimolus** Stål
Haplotype *vitticeps* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 302, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 548, 1867.
Stål, Enum. Hemip., i, p. 188, 1870.
Distant, Biol. Centr. Am., Heter, i, p. 139, 1881.

300. **Cimolus obscurus** Stål

Stål, Enum. Hemip., i, p. 189, 1870.
Localities: S. C., Texas.

Genus **Anasa** Am. & Serv.

Haplotype *cornuta* Am. & Serv.

Amyot and Serville, Hémip., p. 209, 1843.
Dallas, List of Hemip., ii, p. 504, 1852.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 238, 251, 1853.
Stål, Stet. Ent. Zeit., xxiii, p. 299, 1862.
Stål, Of. Vet. Akad. Forh., xxiv, p. 548, 1867.
Stål, Hemip. Fabr., i, p. 57, 1868.
Stål, Enum. Hemip., i, p. 189, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 139, 1881. [*tristis* De Geer.
¶*Oriterus* Hahn, Wanz. Ins., i, p. 8, 1831. (Used for *destructor* Hahn =
Stål, Hemip. Fabr., v, p. 57, 1868.
Stål, Enum. Hemip., i, p. 189, 1870 (subgen. of *Anasa*).
†*Acanthocerus* Stål, Enum. Hemip., i, p. 192, 1870 (in part).

301. **Anasa tristis** (De Geer)

De Geer, Mémoires, iii, p. 340, pl. 34, fig. 20, 1773, *Cimex.*
Goeze, Ent. Beytr., ii, p. 269, 1778, *Cimex.*
Dallas, List of Hemip., ii, p. 499, 1852, *Gonocerus.*
Stål, Hemip. Fabr., i, p. 56, 1868.
Stål, Enum. Hemip., i, p. 189, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 292, 1876; iii, p. 406, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Uhler, Proc. Bost. Soc. Nat. Hist, xix, p. 385, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 139, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 53, 1885.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Gillette and Baker, Hemip. Colo., p. 18, 1895.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910.
moestus (Gmelin), *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2168,
Tigny, Hist. des Ins., Edn. 2, iv, p. 275, 1813, *Cimex.* [1788, *Cimex.*
rugator (Fabricius), Syst. Rhyng., p. 192, 1803, *Coreus.*
Burmeister, Handb. d'Ent., ii, p. 311, 1835, *Gonocerus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 104, 1853, *Homoeocerus.*
ordinatus (Say), Jl. Acad. Nat. Sci. Phila., iv, p. 318, 1825; Compl. Writ.,
[ii, p. 244, *Coreus.*
destructor (Hahn), Wanz. Ins., i, p. 8, fig. 2, 1831, *Oriterus.*
Localities: Quebec, Ont., Mass., Conn., N. Y., N. J., Pa., Md., Fla., N. C., Ala., Ohio, Ill., Mich., Colo., Okl., N. Mex., Texas, Ariz., Calif. (Mexico.)

302. **Anasa uhleri** Stål

Stål, Hemip. Fabr., i, p. 57, 1868.
Stål, Enum. Hemip., i, p. 190, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 141, pl. 13, fig. 23, 1881.
Uhler, Check List, p. 11, 1886.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 234, 1894.
Localities: "West States" (Uhler). (Mexico.)

303. **Anasa andrewsi** (Guerin).

Guerin *in* Sagra, Hist. de Cuba, Ins., p. 383, pl. 13, fig. 9, 1857, *Coreus.*
Stål, Ann. Soc. Ent. Fr., Ser. 4, v, p. 186, 1865.
Stål, Hemip. Fabr., i, p. 57, 1868.
Stål, Enum. Hemip., i, p. 190, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 293, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 141, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 235; 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 268, 1906.
lugens Stål, Stet. Ent. Zeit., xxiii, p. 301, 1862.
Localities: Fla., La., Texas, N. Mex. (Neotropical.)

304. **Anasa repetita** Heid.

Heidemann, Proc. Ent. Soc. Wash., vii, p. 11, 1905.
Localities: N. Y., D. C., Md.

305. **Anasa obliquua** (Uhl.)

Uhler, Proc. Am. Ent. Soc., i, p. 23, 1861, *Gonocerus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 293, 1876.
Localities: Calif.

306. **Anasa scorbutica** (Fabr.)

Fabricius, Syst. Ent., p. 706, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 239, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 349, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 286, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2141, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 129, 1794, *Coreus.*
Fabricius, Syst. Rhyng., p. 185, 1803, *Coreus.*
Stål, Hemip. Fabr., i, pp. 56, 57, 1868.
Stål, Enum. Hemip., i, p. 192, 1870.
Walker, Cat. Heter., iv, p. 108, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 293, 1876.
Berg, Hemip. Argent., p. 82, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 142, 1881.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 179.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 235, 1894.
nebulosa (Palisot-Beauvois), Ins. Rec. Afr. Am., p. 205, pl. Hémip. 12, fig.
moesta Dallas, List of Hemip., ii, p. 505, 1852. [6, 1805, *Acanthocerus.*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 380, 1857, *Coreus.*
spiniceps Stål, Stet. Ent. Zeit., xxiii, p. 300, 1862.
Localities: Fla., Okl., Texas. (West Indies, Mexico.)

307. **Anasa armigera** (Say)

Say, Jl. Acad., Nat. Sci. Phila., iv, p. 319, 1825; Compl. Writ., ii, p. 244,
Stål, Hemip. Fabr., i, p. 57, 1868. [*Coreus.*
Stål, Enum. Hemip., i, p. 192, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 293, 1876.
Bueno and Brimley, Ent. News, xviii, p. 440, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 146, 1910.
terminalis Dallas, List of Hemip., ii, p. 506, 1852.
Localities: N. J., Pa., Md. Va., N. C., S. C., Ga., Fla., Ohio, Kan., Okl., Texas.

Genus **Zicca** Am. & Serv.
Haplotype *nassulata* A. & S. = *nigropunctata* De Geer

Amyot and Serville, Hémip., p. 240, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 547, 1867.
Stål, Enum. Hemip., i, p. 198, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 146, 1881.

308. **Zicca taeniola** (Dall.)

Dallas, List of Hemip., ii, p. 514, 1852, *Clavigralla.*
Stål, Stet. Ent. Zeit., xxiii, p. 299, 1862.
Stål, Enum. Hemip., i, p. 199, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 147, pl. 14, fig. 13, 1881.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 12, 1907. [*Gonocerus.*
?obsoletus (Herrich–Schaeffer), Wanz. Ins., vi, p. 10, fig. 567, 1842, Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 119, 1866, *Cletus.* Stål, Enum. Hemip., iii, p. 78, 1873, *Cletus.*
delicatus (Guerin), *in* Sagra, Hist. de Cuba, Ins., p. 384, 1857, *Coreus.*
[*Taeniola* is probably identical with *obsoletus*, in which case it must fall as synonym.]
Localities: "N. Am." (H. S.). (Neotropical.)

Genus **Hypselonotus** Hahn
Logotype *interruptus* Hahn

Hahn, Wanz. Ins., i, p. 186, 1831.
Burmeister, Handb. d. Ent., ii, p. 319, 1835.
Brullé, Hist. des Ins., ix, p. 370, 1835.
Spinola, Essai sur les Hémip., p. 200, 1837 (1840).
Blanchard, Hist. des Ins., Hemip., p. 126, 1840.
Amyot and Serville, Hémip., p. 241, 1843.
Spinola, Tavola Sinot., p. 40, 1850.
Dallas, List of Hemip., ii, p. 464, 1851.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 243, 268, 1853.
Stål, Of. Vet. Akad. Forh., xxiv, p. 548, 1867.
Stål, Enum. Hemip., i, p. 201, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 150, 1881.
Horvath, Ann. Mus. Natl. Hung., xi, p. 365, 1913. (Key.)

309. **Hypselonotus punctiventris** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 297, 1862.
Stål, Enum. Hemip., i, p. 201, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 150, pl. 14, fig. 23, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 268, 1906.
Horvath, Ann. Mus. Natl. Hung., xi, pp. 366, 369, 1913.
Localities: Texas. (Mexico.)

310. **Hypselonotus fulvus** (De Geer)

De Geer, Mémoirs, iii, p. 341, pl. 34, fig. 22, 1773, *Cimex.*
Goeze, Ent. Beytr., ii, p. 269, 1778, *Cimex.*
Dallas, List of Hemip., ii, p. 464, 1852.
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 100, 1866.
Stål, Enum. Hemip., i, p. 201, 1870.

Berg, Hemip. Argent., p. 86, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 151, 1881.
Banks, Cat. Nearc. Hemip., p. 77, 1910.
Horvath, Ann. Mus. Natl. Hung., xi, pp. 366, 369, 1913.

a. var. **venosus** (Fabr.)
Fabricius, Ent. Syst., iv, p. 142, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 213, 1803, *Lygaeus.*
Brullé, Hist. des Ins., ix, p. 371, 1835.
Stål, Hemip. Fabr., i, p. 56, 1868.
Localities: Texas(?) (Banks). (Neotropical.)

Genus **Paryphes** Burm.
Logotype *laetus* (Fabr.)

Burmeister, Handb. d. Ent., ii, p. 335, 1835.
Blanchard, Hist. des Ins., Hémip., p. 123, 1840.
Amyot and Serville, Hémip., p. 202, 1843.
Dallas, List of Hemip., ii, pp. 438, 439, 1852.
Stål, Of. Vet. Akad. Forh., xxiv, p. 548, 1867.
Stål, Enum. Hemip., i, p. 204, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 154, 1881. [*laetus* type.)
Horvath, Ann. Mus. Natl. Hung., xi, p. 344, 1913. (Monograph; names

311. **Paryphes rufoscutellatus** (Gray)
Gray, Griffith's Anim. Kingd., xv, p. 241, pl. 97, fig. 1, 1832, *Nematopus.*
Stål, Enum. Hemip., i, p. 205, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 154, 1881.
Banks, Cat. Nearc. Hemip., p. 77, 1910.
Localities: "Calif."(?) (Banks). (Mexico.)

Subfamily ALYDINAE (Am. & Serv.)
Amyot and Serville, Hémip., pp. xxxiv, 221, 1843, *Alydides.*
Dallas, List of Hemip., ii, p. 467, 1852, Fam. *Alydidae.*
Stål, Of. Vet. Akad. Forh., xxiv, pp. 535, 542, 1867, Subfam. *Alydida.*
Stål, Enum. Hemip., i, p. 209, 1870, Subfam. *Alydina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, pp. 50, 53, 1872, Subfam. *Alydina.*
Stål, Enum. Hemip., iii, pp. 34, 84, 1873, Subfam. *Alydina.*
Distant, Biol. Centr. Am., Heter., i, p. 156, 1881.
Uhler, Check List, p. 12, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 105, 1894, Subfam. *Alydidae.*
Distant, Fauna Br. Ind., Rhyng., i, p. 407, 1902.
Oshanin, Kat. Palae. Hemip., p. 23, 1912.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912, *Alydidae.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 15, 1913.

TRIBE *MICRELYTRINI* (Stål)
Stål, Of. Vet. Akad. Forh., xxiv, p. 542, 1867, *Micrelytrida.*
Stål, Enum. Hemip., i, p. 215, 1870, Div. *Micrelytrina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 53, 1872, Div. *Micrelytraria.*
Stål, Enum. Hemip., iii, p. 84, Div. *Micrelytraria.*
Distant, Biol. Centr. Am., Heter., i, p. 158, 1881, Div. *Micrelytraria.*
Distant, Fauna Br. Ind., Rhyn., i, p. 407, 1902, Div. *Micrelytraria.*

Oshanin, Kat. Palae. Hemip., p. 24, 1912, Tribe *Micrelytraria.*
Bergroth, Mem. Soc. Ent. Belg., xxii, p. 158, 1913, Div. *Micrelytraria.*

Genus **Protenor** Hagl.
Haplotype *belfragei* Hagl.

Stål, Of. Vet. Akad. Forh., xxiv, p. 543, 1867 (invalid here).
Haglund, Stet. Ent. Zeit., xxix, p. 162, 1868 (validated by describing
Stål, Enum. Hemip., i, p. 217, 1870. [*belfragei.*)
Distant, Biol. Centr. Am., Heter., i, p. 160, 1881.
Tetrarhinus Prov., Nat. Can., iv, p. 75, 1872. (Haplotype *quebecensis* Prov.)

312. **Protenor belfragei** Hagl.

Haglund, Stet. Ent. Zeit., xxix, p. 162, 1868.
Stål, Enum. Hemip., i, p. 217, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 402, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 295, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
Van Duzee, Can. Ent., xliv, p. 319, 1910.
quebecensis (Provancher), Nat. Can., iv, p. 76, 1872, *Tetrarhinus.*
Provancher, Pet. Faune Ent. Can., iii, p. 57, 1885, *Tetrarhinus.*
Localities: Quebec, Ont., N. Y., N. J., Md., Ill., Mich., Wisc., Colo., Texas.

Genus **Darmistus** Stål
Haplotype *subvittatus* Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 469, 1859; xxiv, p. 543, 1867.
Stål, Enum. Hemip., i, p. 217, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 160, 1881.

313. **Darmistus subvittatus** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 469, 1859.
Stål, Enum. Hemip., i, p. 217, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 160, pl. 15, fig. 10, 1881.
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 5, 1914.
Localities: Colo., Texas, Calif.

Genus **Cydamus** Stål
Haplotype *adspersipes* Stål

Stål, Rio Jan. Hemip., i, p. 33, 1860.
Stål, Of. Vet. Akad. Forh., xxiv, p. 542, 1867.
Stål, Enum. Hemip., iii, p. 88, 1873.
Distant, Biol. Centr. Am., Heter., i, p. 159, 1881.

314. **Cydamus borealis** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 159, pl. 15, fig. 11, 1881.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 151, 1906.
Localities: Texas. (Guatemala.)

Genus **Esperanza** Barb.
Haplotype *texana* Barb.

Barber, Brookl. Inst. Sci. Bul., i, p. 269, 1906.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 158, 1913. (Subgen. of *Cydamus*.)

315. **Esperanza texana** Barb.

Barber, Brookl. Inst. Sci. Bul., i, p. 270, 1906.
Locality: Texas.

TRIBE *LEPTOCORISIINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872, Div. *Leptocorisaria.*
Stål, Enum. Hemip., iii, p. 85, 1873, Div. *Leptocorisaria.*
Distant, Biol. Centr. Am., Heter., i, p. 161, 1881, Div. *Leptocorisaria.*
Uhler, Check List, p. 12, 1886. [*corisidae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 102, 1894, Subfam. *Lepto-*
Distant, Fauna Br. Ind., Rhyn., i, p. 409, 1902, Div. *Leptocorisaria.*
Oshanin, Kat. Palae. Hemip., p. 24, 1912, Tribe *Leptocorisaria.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 159, 1913, Div. *Leptocorixaria.*
†*Gerrida* Stål, Of. Vet. Akad. Forh., xxiv, p. 543, 1867.
Stål, Enum. Hemip., i, p. 217, 1870, *Gerrina.*
†*Myodochinae* Kirkaldy, Jl. Bomb. Nat. Hist. Soc., xiv, p. 306, 1902.

Genus **Leptocorisa** Latr.
Orthotype *varicornis* (Fabr.)

Latreille *in* Cuvier, Règn. Anim., Edn. 2, v, p. 197, 1829 (n.n. for *Gerris* Fabr.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 163, 1836. [of 1803.)
Laporte, Essai Classif. Syst. Hémip., p. 25, 1832. (Names *linearis* type.)
Spinola, Essai sur les Hémip., p. 194, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 125, 1840.
Amyot and Serville, Hémip., p. 228, 1843.
Spinola, Tavola Sinot., p. 42, 1850.
Dallas, List of Hemip., ii, p. 482, 1851.
Dohrn, Cat. Hemip., p. 29, 1859.
Fieber, Europ. Hemip., pp. 58, 224, 1861.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 112, 1868.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872.
Stål, Enum. Hemip., iii, pp. 86, 87, 1873.
Distant, Biol. Centr. Am., Heter., i, p. 161, 1881.
Uhler, Check List, p. 13, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 102, 1894.
Distant, Fauna Br. Ind., Rhyng., i, p. 409, 1902 (cites *tipuloides* as type).
Oshanin, Verz. Palae. Hemip., i, p. 212, 1906.
Oshanin, Kat. Palae. Hemip., p. 24, 1912.
†*Gerris* Fabricius, Syst. Rhyng., p. 260, 1803 (not of 1794). (Type *vari-*
Stål, Hemip. Afr., ii, p. 87, 1865. [*cornis* Fabr.)
Stål, Of. Vet. Akad. Forh., xxiv, p. 543, 1867.
Stål, Hemip. Fabr., i, p. 66, 1868.
Stål, Enum. Hemip., i, p. 217, 1870.
¶*Myodocha* Latreille, Genera Crust. Ins., iii, p. 126, 1807 (n.n., invalid here).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 496, 1816 (for *tipuloides* and
Kirkaldy, Jl. Bomb. Nat. Hist. Soc., xiv, p. 306, 1902. [*trispinosa*).
Kirkaldy, Trans. Ent. Soc. Lond. for 1905, p. 350.

†*Myodochus* Leach., Brewster's Edinbg. Encyc., ix, p. , 1815.
Leach, Brewster's Edinbg. Encyc., Am. Edn., viii, p. 711, 1832 (for Burmeister, Handb. d. Ent., ii, p. 325, 1835. [*tipuloides* De Geer).
Herrich-Schaeffer, Wanz. Ins., viii, p. 94, 1848.
Leptocorise Latreille, Fam. Nat. du Règne Anim., p. 421, 1825 (not Latin).
¶*Leptocorixa* Berthold, Nat. Fam. des Tierrichs, p. 418, 1827.
Kirkaldy, Entomol., xli, p. 123, 1908.
Bergroth, Ent. Mitteil., ii, p. 12, 1913.
Reuter, Ann. Soc. Ent. Belg., lvii, p. 78, 1913.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 159, 1913. [*Myodochus* Burm.).
Stenocoris Burmeister, Handb. d. Ent., ii, pt. 2, p. 1010, 1838 (n.n. for
Herrich-Schaeffer, Wanz. Ins., ix, pp. 244, 275, 1853.
Stål, Enum. Hemip., iii, p. 87, 1873. (Subgen. of *Leptocorisa*.)
†*Leptocoris* Westwood, Intr. Mod. Classif. Ins., ii, p. 483, 1840.
Rhabdocoris Kolenati Melet. Ent., ii, p. 67, 1845.
Stål, Enum. Hemip., iii, p. 86, 1873. (Subgen. of *Leptocorisa*.)
Erbula Stål, Enum. Hemip., iii, p. 86, 1873. (Subgen. of *Leptocorisa*.)

316. **Leptocorisa tipuloides** (De Geer)

De Geer, Mémoires, iii, p. 354, pl. 35, fig. 18, 1773, *Cimex*.
Goeze, Ent. Beytr., ii, p. 273, 1778, *Cimex*.
Retzius, Gen. et Spec. Ins., p. 89, 1783, *Cimex*.
Gmelin *in* Linnaeus, Syst. Nat., Edn. 13, i, pt. 4, p. 2194, 1788, *Cimex*.
Latreille, Gen. Crust. Ins., iii, p. 126, 1807, *Myodocha*.
Olivier, Encyc. Meth., viii, p. 106, 1811, *Myodochus*.
Lamarck, Hist. Nat. Crust. Ins., iii, p. 497, 1816, *Myodocha*.
Laporte, Essai Classif. Syst. Hémip., p. 33, 1832, *Myodocha*.
Burmeister, Handb. d. Ent., ii, p. 325, 1835, *Myodochus*.
Brullé, Hist. Nat. des Ins., ix, p. 389, 1835.
Amyot and Serville, Hémip., p. 229, 1843.
Dallas, List of Hemip., ii, p. 484, 1851.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 113, 1866.
Stål, Enum. Hemip., i, p. 218, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 162, 1881.
Distant, Proc. Zool. Soc. Lond. for 1901, pt. 1, p. 331.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
crudelis Westwood, Hope Cat., ii, p. 18, 1842.
Localities: Fla., Texas. (Neotropical.)

TRIBE *ALYDINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, p. 542, 1867, *Alydida*.
Stål, Hemip. Fabr., i, p. 62, 1868, *Alydida*.
Stål, Enum. Hemip., i, p. 209, 1870, Div. *Alydina*.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872, Div. *Alydaria*.
Stål, Enum. Hemip., iii, pp. 85, 89, 1873, Div. *Alydaria*.
Distant, Biol. Centr. Am., Heter., i, p. 156, 1881, Div. *Alydaria*.
Uhler, Check List, p. 12, 1886, *Alydina* (part).
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 105, 1894, *Alydidae*.
Distant, Fauna Br. Ind., Rhyn., i, p. 412, 1902, Div. *Alydaria*.
Oshanin, Verz. Palae., Hemip., i, p. 213, 1906, Div. *Alydaria*.

Oshanin, Kat. Palae., Hemip., p. 24, 1912, Tribe *Alydaria.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 159, 1913, Div. *Alydaria.*

Genus **Hyalymenus** Am. & Serv.
Logotype *dentatus* (Fabr.)

Amyot and Serville, Hémip., p. 223, 1843.
Dallas, List of Hemip., ii, p. 467, 1852.
Herrich-Schaeffer, Wanz. Ins., ix, p. 243, 1853; Verz., p. 105, 1853.
Stål, Of. Vet. Akad. Forh., xxiv, p. 542, 1867.
Stål, Enum. Hemip., i, p. 210, 1870; iii, p. 90, 1873.
Distant, Biol. Centr. Am., Heter., i, p. 156, 1881. [Fabr.)
Tivarbus Stål, Of. Vet. Akad. Forh., xvi, p. 459, 1859. (Logotype *sinuatus*
Galeottus Distant, Biol. Centr. Am., Heter., i, p. 459, 1893 (founded on a [nymph.)

317. **Hyalymenus tarsatus** (Fabr.)

Fabricius, Syst. Rhyng., p. 250, 1803, *Alydus.*
Stål, Of. Vet. Akad. Forh., xvi, p. 460, 1859, *Tivarbus.*
Stål, Hemip. Fabr., i, p. 62, 1868.
Stål, Enum. Hemip., i, p. 212, 1870.
Walker, Cat. Heter., iv, p. 162, 1871, *Camptopus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 156, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 270, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
atratus (Fabricius), Syst. Rhyng., p. 251, 1803, *Alydus.*
diversipes (Westwood), Hope Cat., ii, p. 19, 1842, *Alydus.*
Dallas, List of Hemip., ii, p. 477, 1851, *Alydus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894, *Tivarbus.*
affinis (Westwood), Hope Cat., ii, p. 19, 1842, *Alydus.*
Dallas, List of Hemip., ii, p. 477, 1851, *Alydus.*
obscurus (Westwood), Hope Cat., ii, p. 19, 1842, *Alydus.*
sinuatus (Herrich-Schaeffer), Wanz. Ins., viii, p. 98, fig. 865, 1846, *Alydus.*
recurvatus (Herrich-Schaeffer), Wanz. Ins., viii, p. 98, fig. 866, 1846,
pallens (Dallas), List of Hemip., ii, p. 476, 1852, *Alydus.* [*Alydus.*
pectoralis (Stål), Rio Jan. Hemip., i, p. 34, 1860, *Camptopus.*
formicarius (Distant), Biol. Centr. Am., Heter., i, p. 459, pl. 39, fig. 23, [1893, *Galeottus.*

Localities: Texas, Ariz., Calif. (Neotropical.)

318. **Hyalymenus longispinus** Stål

Stål, Enum. Hemip., i, p. 213, 1870 (n.n. for *sinuatus* Guer.).
Banks, Cat. Nearc. Heter., p. 74, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 521, 1914.
†*sinuatus* (Guerin), Sagra Hist. de Cuba, Ins., p. 390, 1857, *Alydus.*
Localities: Fla. (West Indies.)

319. **Hyalymenus pulcher** (Stål)

Stål, Of. Vet. Akad. Forh., xi, p. 235, 1854, *Alydus.*
Stål, Enum. Hemip., i, p. 211, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 156, pl. 15, fig. 8, 1881.
Banks, Cat. Heter., p. 74, 1910.
Localities: "Texas"(?) (Banks). (Neotropical.)

Genus **Megalotomus** Fieb.
Logotype *limbatus* H. S. = *junceus* Scop.

Fieber, Europ. Hemip., pp. 58, 226, 1861.
Stål, Enum. Hemip., i, p. 214, 1870 (subgen. of *Alydus*.)
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872.
Stål, Enum. Hemip., iii, pp. 90, 92, 1873.
Puton, Cat. Hémip. Palae., Edn. 3, p. 18, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 106, 1894.
Oshanin, Verz. Palae., Hemip., i, p. 217, 1906.
Oshanin, Kat. Palae., Hemip., p. 24, 1912. (Names *junceus* type.)
Huphus Mulsant and Rey, Punaise de Fr., iii, p. 158, 1870. (Rye says [Aug., 1871, Zoolog. Record, 1871, p. 418.)

320. **Megalotomus 5-spinosus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 323, 1824; Compl. Writ., ii, p. 247,
Uhler, Proc. Ent. Soc. Phila., i, p. 23, 1861, *Alydus*. [*Lygaeus*.
Stål, Enum. Hemip., i, p. 214, 1870.
Uhler, Wheeler's Surv. 100th Merid., v, p. 832, 1875, *Alydus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 283, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 56, 1885, *Alydus*.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 50, 1893, *Alydus*.
Van Duzee, Can. Ent., xl, p. 110, 1908.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910, *Alydus*.
cruentus (Herrich-Schaeffer), Wanz. Ins., viii, p. 100, fig. 868, 1848,
Dallas, List of Hemip., ii, p. 477, 1852, *Alydus*. [*Alydus*.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., N. C., Fla., Ill., Wis., Colo., Utah, Calif., Wash., Vanc. Isd.

Genus **Burtinus** Stål
Haplotype *notatipennis* Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 458, 459, 1859.
Stål, Enum. Hemip., i, p. 214, 1870 (as subgen. of *Alydus*).

321. **Burtinus notatipennis** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 459, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 305, 1862.
Stål, Enum. Hemip., i, p. 214, 1870, *Alydus*.
Walker, Cat. Heter., iv, p. 160, 1871, *Alydus*.
Distant, Biol. Centr. Am., Heter., i, p. 373, 1893, *Alydus*.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 37, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 521, 1914, *Alydus*.
femoralis (Distant), Biol. Centr. Am., Heter., i, p. 158, pl. 15, fig. 9, 1881,
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 235, 1894. [*Alydus*.
Localities: Texas. (Neotropical.)

Genus **Alydus** Fabr.
Orthotype *calcaratus* Linn.

Fabricius, Syst. Rhyng., p. 248, 1803.
Le Peletier and Serville, Encyc. Méth., x, p. 61, 1825.
Latreille, *in* Cuvier, Regne Anim., Edn. 2, v, p. 197, 1829.
Schilling, Beit., i, p. 49, 1829.

Fallén, Hemip. Suec., Cimic., p. 39, 1829.
Curtis, Br. Ent., viii, pl. 369, 1831.
Hahn, Wanz. Ins., i, p. 197, 1831.
Laporte, Essai Classif. Syst. Hémip., p. 27, 1832.
Herrich-Schaeffer, Nom. Ent., pp. 35, 43, 1835.
Burmeister, Handb. d. Ent., ii, p. 323, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. Edn., iv, p. 163, 1836.
Spinola, Essai sur les Hémip., p. 207, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 125, 1840.
Westwood, Intro. Mod. Classif. Ins., ii, Synop., p. 123, 1840.
Amyot and Serville, Hémip., p. 225, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 96, 1848.
Spinola, Tavola Sinot., p. 40, 1850.
Dallas, List of Hemip., ii, pp. 470, 477, 1852.
Stål, Of. Vet. Akad. Forh., xvi, p. 458, 1859.
Flor, Rhyng. Livl., i, p. 181, 1860.
Fieber, Europ. Hemip., pp. 58, 225, 1861.
Stål, Hemip. Afr., ii, p. 7, 1865.
Stål, Of. Vet. Akad. Forh., xxiv, p. 542, 1867.
Stål, Enum. Hemip., i, p. 213, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872.
Stål, Enum. Hemip., iii, p. 90, 1873.
Distant, Biol. Centr. Am., Heter., i, p. 157, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 55, 1885.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911. (Key.)
Alyde Latreille, Fam. Nat. Règ. Anim., p. 421, 1825. (French form.)

322. **Alydus pluto** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 401, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876; iii, p. 406, 1877.
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911.
Localities: Kan., Colo., Utah., N. Mex., Texas, La., Calif., Wash., Idaho, Vanc. Isd.

323. **Alydus eurinus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 324, 1824; Compl. Writ., ii, p. 247, [*Lygaeus*.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 40, 1872.
Uhler, Wheeler's Surv. 100th Merid., v, p. 832, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 293, 1876; iii, p. 406, 1877; iv, p. [504, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 384, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 157, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 55, 1885.
Van Duzee, Can. Ent., xxi, p. 2, 1889.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 50, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911.
ater Dallas, List of Hemip., ii, p. 478, 1852.
Stål, Enum. Hemip., i, p. 213, 1870.
†*calcaratus* Uhler, Proc. Ent. Soc. Phila., i, p. 23, 1861.
†*pluto* Provancher, Pet. Faune Ent. Can., iii, p. 56, 1885.

†*vicarius* (Provancher), Pet. Faune Ent. Can., iii, p. 175, 1887, *Coriscus.*
§*urinus* Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., D. C., N. C., Ga., Ohio, Mo., Neb., Kan., Dak., Colo., Utah, Texas, Calif.

324. **Alydus conspersus** Montd.

Montandon, Proc. U. S. Natl. Mus., xvi, p. 49, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., Mich., Ia., Dak., Colo.

325. **Alydus scutellatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxix, p. 108, 1903.
Cockerell, Univ. Colo. Studies, vii, p. 127, 1910.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911.
Localities: Colo., N. Mex., Mont., Br. Col.

326. **Alydus rufescens** Barb.

Barb., Jl. N. Y. Ent. Soc., xix, pp. 29, 30, 1911.
Locality: Ariz.

327. **Alydus pilosulus** H. S.

Herrich-Schaeffer, Wanz. Ins., viii, p. 101, fig. 870, 1848.
Dallas, List of Hemip., ii, p. 478, 1852.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 384, 1878.
Montandon, Proc. U. S. Natl. Mus., xvi, p. 50, 1893.
Bueno and Brimley, Ent. News, xviii, p. 440, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 521, 1914.
[*vittinosus* Harris], Cat. Ins. Mass., 1833.
†*eurinus* Stål, Enum. Hemip., i, p. 213, 1870.
Localities: Mass., N. Y., N. J., Pa., Del., Md., N. C., Fla., Ill., Kans., Okl., Texas, Calif.

Genus **Tollius** Stål
Haplotype *curtulus* Stål

Stål, Enum. Hemip., i, p. 213, 1870; iii, p. 89, 1873. (Subgenus of *Alydus.*)

328. **Tollius curtulus** (Stål)

Stål, Freg. Eug. Resa, Ins., p. 234, 1859, *Alydus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Gillette and Baker, Hemip. Colo., p. 18, 1895.
Barber, Jl. N. Y. Ent. Soc., xix, p. 31, 1911.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 6, 1914.
Localities: N. Y., Colo., Utah, Calif.

329. **Tollius setosus** (Van D.)

Van Duzee, Ent. News, xvii, p. 386, 1906, *Alydus.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Barber, Jl. N. Y. Ent. Soc., xix, p. 30, 1911, *Alydus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 6, 1914.
Localities: Mont., Utah, Ariz., Calif.

Genus **Stachyocnemus** Stål
Haplotype *apicalis* Dall.

Stål, Enum. Hemip., i, p. 215, 1870; iii, p. 91, 1873.

330. **Stachyocnemus apicalis** (Dall.)

Dallas, List of Hemip., ii, p. 479, 1852, *Alydus.*
Stål, Enum. Hemip., i, p. 215, 1870.
Uhler, Hayden's Surv. Terr. for 1871, p. 402, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 294, 1876.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
Localities: N. J., Fla., Texas, Dak., Calif.

Subfamily PSEUDOPHLOEINAE (Stål)

Stål, Of. Vet. Akad. Forh., xxiv, p. 535, 1867, *Pseudophloeida.*
Stål, Enum. Hemip., i, p. 219, 1870, *Pseudophloeina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, pp. 50, 52, 1872, *Pseudophloeina.*
Stål, Enum. Hemip., iii, pp. 34, 81, 1873, *Pseudophloeina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876, *Pseudophloeina.*
Distant, Biol. Centr. Am., Heter., i, p. 164, 1881, *Pseudophloeinae.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 17, 1886, Div. *Pseudophloearia.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 91, 1894 (Subfam.), [*Pseudophloeidae.*
Distant, Fauna Br. Ind., Rhyng., i, p. 401, 1902, *Pseudophloeinae.*
Oshanin, Verz. Palae., Hemip., i, p. 197, 1906, *Pseudophloeina.*
Banks, Cat. Nearc. Hemip., p. 73, 1910, *Pseudophloeini.*
Oshanin, Kat. Palae. Hemip., p. 22, 1912, *Pseudophloeinae.*
Arenocorinae Bergroth, Mém. Soc. Ent. Belg., xxii, p. 155, 1913.

Genus **Ceraleptus** Costa
Logotype *gracilicornis* H. S.

Costa, Cimic. Reg. Neap., Cent., ii, p. 11, 1847.
Dallas, List of Hemip., ii, p. 523, 1852.
Fieber, Europ. Hemip., pp. 57, 219, 1861.
Stål, Enum. Hemip., i, p. 219, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 53, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 165, 1881.

331. **Ceraleptus pacificus** Barber

Barber, Jl. N. Y. Ent. Soc., xxii, p. 167, 1914.
Localities: Calif., Ore., Wash., Vanc. Isd.

332. **Ceraleptus americanus** Stål

Stål, Enum. Hemip., i, p. 219, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876.

Distant, Biol. Centr. Am., Heter., i, p. 165, 1881.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 520, 1914.
Localities: Fla., Utah, Texas, Ariz., Calif. (Mexico.)

Genus **Coriomeris** Westw.
Logotype *denticulatus* Scop.

Westwood, Hope Cat., ii, p. 6, 1842 (n.n. for *Coreus* Burm. and *Merocoris* Hahn).
Kirkaldy, Entomol., xxxiii, p. 240, 1900. (Names *denticulatus* type.)
Kirkaldy, Entomol. xxxvi, p. 216, 1903.
Oshanin, Kat. Palae. Hemip., p. 23, 1912. (Names *hirticornis* Fabr. type.)
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 157, 1913. [Oshanin).
Van Duzee, Check List Hemip., p. 14, 1916 (type *scabricornis* Panz., after
†*Coreus* Laporte, Essai Classif. Syst. Hémip., p. 43, 1832 (for *hirticornis*
Burmeister, Handb. d. Ent., ii, p. 309, 1835. [Fabr.)
Amyot and Serville, Hémip., p. 237, 1843.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 238, 255, 1853 (part).
Flor, Rhyng. Livl., i, p. 174, 1860.
Fieber, Europ. Hemip., pp. 57, 220, 1861.
Walker, Cat. Heter., v, p. 7, 1872.
Puton, Cat. Hémip. Palae., Edn. 3, p. 17, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 95, 1894.
Oshanin, Verz. Palae. Hemip., i, p. 203, 1906. [*dentator* Fabr.)
‖*Merocoris* Hahn, Wanz. Ins., ii, p. 105, 1834 (for *denticulata* Scop. and
Blanchard, Hist. des Ins., Hémip., p. 118, 1840. (Div. of *Coreus*.)
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840.
Dasycoris Dallas, List of Hemip., ii, p. 519, 1852 (n.n. for *Merocoris* Hahn.)
Dohrn, Cat. Hemip., p. 31, 1859.
Stål, Enum. Hemip., i, p. 219, 1870.
Uhler, Check List, p. 13, 1886.
Banks, Cat. Nearc. Hemip., p. 73, 1910.

333. **Coriomeris humilis** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 403, 1872, *Dasycoris*.
Uhler, Wheeler's Surv. 100th Merid., v, p. 834, 1875, *Dasycoris*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876; iii, p. 407, 1877, *Dasycoris*.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325, *Dasycoris*.
Gillette and Baker, Hemip. Colo., p. 19, 1895, *Dasycoris*.
†*pilicornis* (Uhler), Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872,
Banks, Cat. Nearc. Hemip., p. 73, 1910, *Dasycoris*. [*Dasycoris*.
Localities: Kan., Colo., Texas, Ariz., Calif., Vanc. Isd.

334. **Coriomeris nigricornis** (Stål)

Stål, Enum. Hemip., i, p. 219, 1870, *Dasycoris*.
Distant, Biol. Centr. Am., Heter., i, p. 164, pl. 15, fig. 12, 1881, *Dasycoris*.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894, *Dasycoris*.
Gillette and Baker, Hemip. Colo., p. 19, 1895, *Dasycoris*.
Banks, Cat. Nearc. Hemip., p. 73, 1910, *Dasycoris*.
Localities: Colo. (Mexico.)

Subfamily CORIZINAE (Mayr)

Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 121, 1866, *Corizida*.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 50, 1872, *Corizina*.

Stål, Enum. Hemip., iii, pp. 34, 97, 1873, *Corizina.*
Distant, Biol. Centr. Am., Heter., i, p. 165, 1881, *Corizinae.*
Puton, Cat. Hémip. Palae., p. 18, 1886, Tribe *Corizini.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 114, 1894, *Corizidae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 416, 1902.
Oshanin, Verz. Palae. Hemip., i, p. 218, 1906, *Corizina.*
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 6, pp. 49, 59, 1912, Fam.
Oshanin, Cat. Palae. Hemip., p. 25, 1912, *Corizina.* [*Corizidae.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 162, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 518, 1914, *Corizidae.*
Rhopalides Amyot and Serville, Hémip., pp. xxxvi, 243, 1843.
Dallas, List of Hemip., ii, p. 520, 1852, Fam. *Rhopalidae* (in part).
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862, *Rhopalida.*
Stål, Hemip. Afr., ii, pp. 1, 111, 1865, *Rhopalida.*
Stål, Enum. Hemip., i, p. 219, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876.
Uhler, Check List, p. 13, 1886.
Banks, Cat. Nearc. Hemip., p. 71, 1910, *Rhopalini.*

TRIBE *HARMOSTINI* (Stål)

Stål, Enum. Hemip., iii, p. 97, 1873, Div. *Harmostaria.*
Distant, Biol. Centr. Am., Heter., i, p. 166, 1881, Div. *Harmostaria.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 162, 1913, Div. *Harmostaria.*

Genus **Harmostes** Burm.
Haplotype *dorsalis* Burm.

Burmeister, Handb. d. Ent., ii, p. 307, 1835.
Dallas, List of Hemip., ii, p. 520, 1852.
Herrich-Schaeffer, Wanz. Ins., ix., p. 270, 1853; Verz., p. 101, 1853.
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862.
Stål, Enum. Hemip., i, p. 219, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 166, 1881.

335. **Harmostes serratus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 75, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 123, 1803, *Syrtis.*
Stål, Hemip. Fabr., i, p. 67, 1868.
Stål, Enum. Hemip., i, p. 220, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 166, pl. 15, fig. 13, 1881.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876; iii, p. 407, 1877.
Uhler, Proc. Zool. Soc. Lond., for 1894, p. 180.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907.
gravidator (Fabricius), Ent. Syst., iv, p. 133, 1794, *Coreus.*
Fabricius, Syst. Rhyng., p. 199, 1803, *Coreus.*
perpunctatus Dallas, List of Hemip., ii, p. 521, 1852.
Stål, Stet. Ent. Zeit., xxiii, p. 307, 1862.
Localities: Texas, Fla.

336. **Harmostes reflexulus** (Say)

Say, Heter. N. Harm., p. 10, 1832; Fitch reprint, p. 768; Compl. Writ., i, p. [323, *Syromastes.*
Stål, Enum. Hemip., i, p. 220, 1870.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 403, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876; iii, p. 407, 1877; iv, p. [505, 1878.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Gillette and Baker, Hemip. Colo., p. 20, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 160, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
virescens Dallas, List of Hemip., ii, p. 520, 1852.
Gillette and Baker, Hemip. Colo., p. 20, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, pp. 151, 178, 1906.
costalis, Herrich-Schaeffer, Wanz. Ins., ix, p. 270, fig. 992, 1853.
bruesi Bergroth, Ent. News, xxiv, p. 266, 1913.
Localities: Me., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ga., Fla., Ind., Ill., Wisc., Minn., Dak., Neb., Kan., Colo., Utah, Texas, Ariz., Calif., Idaho.

337. **Harmostes subrufus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 167, pl. 15, fig. 16, 1881.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 37, 1910.
Localities: Ariz. (Guatemala.)

338. **Harmostes(?) obliquus** (Say)

Say, Heter. N. Harm., p. 11, 1832; Fitch reprint, p. 769; Compl. Writ., i, p. [324, *Syromastes.*
Locality: "U. S."

339. **Harmostes fraterculus** (Say)

Say, Heter. N. Harm., p. 10, 1832; Fitch reprint, p. 768; Compl. Writ., i, p. [324, *Syromastes.*
Stål, Enum. Hemip., i, p. 221, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 168, pl. 15, fig. 18, 1881.
Barber, Brookl. Inst. Sci. Bul., i, p. 271, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 6, 1914.
Localities: N. J., Md., Va., Ga., Ind., Ill., Okl., Texas, Ariz., Calif. (Neotropical.)

340. **Harmostes affinis** Dall.

Dallas, List of Hemip., ii, p. 522, 1852.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 161, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 518, 1914.
Localities: Fla., Texas. (Mexico.)

Genus **Aufeius** Stål
Haplotype *impressicollis* Stål

Stål, Enum. Hemip., i, p. 221, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 168, 1881.

341. **Aufeius impressicollis** Stål

Stål, Enum. Hemip., i, p. 222, 1870.
Uhler, Hayden's Survey Terr., Rept. for 1871, p. 403, 1872.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876; iii, p. 407, 1877.
?Distant, Biol. Centr. Am., Heter., i, p. 169, pl. 15, fig. 20, 1881.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
propinquus Distant, Biol. Centr. Am., Heter., i, p. 168, pl. 15, fig. 19, 1881.
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Barber, Brookl. Inst. Sci. Bul., i, p. 271, 1906.
Localities: Dak., Kan., Colo., Texas, Calif., Ariz. (Mexico.)

Genus **Xenogenus** Berg
Haplotype *picturatum* Berg

Berg, Hemip. Argent., Add., p. 45, 1884.
Distant, Biol. Centr. Am., Heter., i, p. 461, 1893.

342. **Xenogenus extensum** Dist.

Distant, Biol. Cent. Am., Heter., i, p. 461, pl. 39, fig. 26, 1893.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 37, 1910.
Localities: Ariz. (Mexico.)

TRIBE *CORIZINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 54, 1872, Div. *Corizaria.*
Stål, Enum. Hemip., iii, p. 97, 1873, Div. *Corizaria.*
Distant, Biol. Centr. Am., Heter., i, p. 169, 1881.
Distant, Fauna Br. Ind., Rhyng., i, p. 416, 1902, Div. *Coryzaria.*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 162, 1913, Div. *Coryzaria.*

Genus **Corizus** Fall.
Logotype *hyoscyami* (Linn.)

Fallén, Spec. Nova Hemip. Disp., p. 8, 1814.
Fallén, Hemip. Suec., Cimic., p. 40, 1829.
Burmeister, Handb. d. Ent., ii, pp. 302, 306, 1835.
Brullé, Hist. des Ins., ix, p. 358, 1835. (Names *hyoscyami* type.)
Herrich-Schaeffer, Nomen. Ent., pp. 35, 42, 1835.
Spinola, Essai sur les Hémip., p. 224, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 116, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840.
Herrich-Schaeffer, Wanz. Ins., vi, p. 1, 1842.
Gorski, Anal. Ent., i, p. 157, 1852.
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 75, 1859.
Flor, Rhyng. Livl., i, p. 187, 1860.
Fieber, Europ. Hemip., pp. 60, 234, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862.
Stål, Hemip. Afr., ii, pp. 111, 114, 1865.
Mayr, Reise Freg. Novara, Zool., ii, p. 121, 1866.
Stål, Enum. Hemip., i, p. 222, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 55, 1872.
Berg, Hemip. Argent., p. 93, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 169, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 59, 1885, *Corisus.*
Hambleton, Ann. Ent. Soc. Am., i, p. 133, 1908.
Baker, Can. Ent., xl, p. 241, 1908. [type.)
Oshanin, Kat. Palae. Hemip., p. 25, 1912. (Names *subrufus* Gmel. pseudo-

[*Kleidocerys* Stephens, MS], Syst. Cat. Brit. Ins., p. 342, 1829 (part).
Rhopalus Schilling, Ent. Beit., p. 50, 1829.
Westwood, Intr. Mod. Classif, Ins., ii, Synop., p. 123, 1840. (Names [*capitatus* Wolff. type.)
Amyot and Serville, Hémip., p. 245, 1843 (for *capitatus* Fabr.)
Dallas, List of Hemip., ii, p. 525, 1852.
Walker, Cat. Heter., v, p. 18, 1872.

Subgenus **Liorhyssus** Stål
Logotype *hyalinus* (Fabr.)

Stål, Enum. Hemip., i, p. 222, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 55, 1872.
Stål, Enum. Hemip., iii, pp. 97, 98, 1873.
Oshanin, Verz. Palae. Hemip., i, p. 220, 1906.
Baker, Can. Ent., xl, p. 243, 1908.
Oshanin, Kat. Palae. Hemip., p. 25, 1912. (Names *hyalinus* type.)
Colobatus Mulsant and Rey, Punaise de Fr., iii, p. 137, 1870.

343. **Corizus hyalinus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 168, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 201, 1803, *Coreus.*
Stål, Hemip. Fabr., i, p. 68, 1868.
Stål, Of. Vet. Akad. Forh., xxvii, p. 659, 1870.
Stål, Enum. Hemip., i, p. 222, 1870, *Liorhyssus;* iii, p. 98, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 300, 1876; iii, p. 407, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Distant, Biol. Cent. Am., Heter., i, p. 169, pl. 16, fig. 7, 1882.
Reuter, Rev. Synon., p. 171, 1888, *Rhopalus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 369, 1893.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 180.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 236, 1894.
Gillette and Baker, Hemip. Colo., p. 20, 1895.
Uhler, Proc. U. S. Nat. Mus., xxvii, p. 352, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 220, 1906, *Liorhyssus.*
Kirkaldy, Proc. Haw. Ent. Soc., i, pp. 139, 146, 1907, *Rhopalus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907.
Hambleton, Ann. Ent. Soc. Am., i, p. 136, 1908.
Baker, Can. Ent., xl, p. 243, 1908, *Liorhyssus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 161, 1909.
gracilis Herrich–Schaeffer, *in* Panzer, Fauna Germ, –, p. 127, 1835.
Herrich–Schaeffer, Nomen. Ent., pp. 42, 75, 1835.
Herrich–Schaeffer, Wanz. Ins., vi, p. 1, pl. 181, fig. C, 1842.
Gorski, Anal. Ent., i, p. 163, 1852.
Dallas, List of Hemip., ii, p. 528, 1852, *Rhopalus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 88, 1859.
Mulsant and Rey, Punaise de Fr., iii, p. 137, 1870, *Colobatus.*
truncatus Rambaur, Fauna Andal., ii, p. 144, 1842.
Fieber, Europ. Hemip., p. 234, 1861, *Rhopalus.*
Stål, Hemip. Afr., ii, p. 117, 1865.
variegatus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 89, 1859.
spathula Rey, Échange, iii, No. 36, p. 2, 1887.

a. var. **sanguineus** (Costa)
Costa, Cimic. Régne Neap., iii, p. 14, pl. 6, fig. 8, 1852, *Rhopalus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 104, 1859.
Dohrn, Stet. Ent. Zeit., xxi, p. 107, pl. 1, fig. 7, 1860.
Mulsant and Rey, Punaise de Fr., iii, p. 140, 1870.
siculus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 91, 1859.
victoris Mulsant and Rey, Punaise de Fr., iii, p. 123, 1870, *Rhopalus.*

b. var. **nigrinus** Puton
Puton, Synop. Heter. Fr., ii, p. 117, 1881.

c. var. **marginatus** Jakl.
Jakowlef, Horae. Soc. Ent. Ross., vi, p. 10, 1871.

d. var. **dilatipennis** Sign.
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 89, 1859.

e. var. **rubricatus** Reut.
Reuter, Of. Finska Vet. Soc. Forh., xlii, p. 276, 1900, *Liorhyssus.*
[The varieties have not been worked out in America.]
Localities: Fla., Miss., Ohio, Iowa, Dak., Neb., Colo., Utah, Texas, N. Mex., Ariz., Calif. (Europe, Asia, Africa, America.)

344. **Corizus viridicatus** Uhler

Uhler, Hayden's Surv. Terr., Report for 1871, p. 404, 1872.
Horvath, Ann. Mus. Natl. Hung., vi, p. 556, 1908.
Hambleton, Ann. Ent. Soc. Am., i, p. 138, 1908.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 171, 1914.
†*hyalinus* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 407, 1877 (as variety).
Localities: D. C., Dak., Neb., Colo., Utah, Wyom., N. Mex., Calif.

Subgenus **Stictopleurus** Stål
Logotype *crassicornis* (Linn.)

Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 55, 1872 (as genus).
Stål, Enum. Hemip., iii, p. 98, 1873 (as genus).
Reuter, Berl. Ent. Zeit., xxix, p. 42, 1885.
Puton, Cat. Hémip. Palae., Edn. 3, p. 18, 1886.
Oshanin, Verz. Palae. Hemip., i, p. 226, 1906 (as genus).
Oshanin, Kat. Palae. Hemip., p. 25, 1912. (Names *crassicornis* type).
†*Corizus* Baker, Can. Ent., xl, p. 242, 1908.

345. **Corizus crassicornis** (Linn.)

Linnaeus, Syst. Nat., Edn. 10, i, p. 448, 1758, *Cimex.*
Linnaeus, Fauna Suec., Rev. Edn., p. 254, No. 952, 1761, *Cimex.*
Linnaeus, Syst. Nat., Edn. 12, ii, p. 729, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 723, 1775, *Cimex.*
Goeze, Ent. Beitr., ii, p. 217, 1778, *Cimex.*
Wolff, Icon. Cimic., iv, p. 146, fig. 140, 1804, *Lygaeus.*
Panzer, Fauna Germ., pt. 92, fig. 18, 1805, *Coreus.*
Herrich-Schaeffer, Nomen. Ent., p. 42, 1835.
Burmeister, Handb. d. Ent., ii, p. 306, 1835.
Hahn, Wanz. Ins., iii, p. 2, fig. 227, 1835, *Rhopalus.*
Spinola, Essai sur les Hémip, p. 249, 1837, *Rhopalus.*
Blanchard, Hist. des Ins., Hémip., p. 117, 1840.

Dallas, List of Hemip., ii, p. 527, 1852, *Rhopalus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 79, 1859.
Flor, Rhyng. Livl., i, p. 190, 1860.
Fieber, Europ. Hemip., p. 234, 1861, *Rhopalus.*
Stål, Of. Vet. Akad. Forh., xix, p. 208, 1862, subgen. *Rhopalus.*
Douglas and Scott, Brit. Hemip., p. 131, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 55, 1872, *Stictopleurus.*
Walker, Cat. Heter., v, p. 19, 1872, *Rhopalus.*
Reuter, Rev. Synon., p. 170, 1888, *Rhopalus.*
Rey, Revue d'Ent., vii, p. 96, 1888.
Oshanin, Verz. Palae. Hemip., i, p. 226, 1906, *Stictopleurus.*
Van Duzee, Can. Ent., xl, p. 110, 1908.
Horvath, Ann. Mus. Natl. Hung., vi, p. 556, 1908.
Hambleton, Ann. Ent. Soc. Am., i, p. 137, 1908.

alatus (Muller) Zool. Danic. Prod., p. 106, 1776, *Cimex.*
punctato-nervosus (Goeze), Ent. Beytr., ii, p. 265, 1778, *Cimex.*
sabulosus (Fourcroy), Ent. Paris., i, p. 202, 1785, *Cimex.*
Geoffroy, Hist. Abr. des Ins., i, p. 448, 1762 (without name).
†*magnicornis* (Fallén), Monog. Cimic., p. 59, 1807, *Coreus.*
cellulatus Brullé, Exp. de Moreé, iii, p. 72, 1832.
panzeri Dufour, Mém. Acad. Sci., iv, p. 166, 1833 (n.n. for *crassicornis*
punctiventris (Dallas), List of Hemip., ii, p. 526, 1852, *Rhopalus.* [Panz.)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 301, 1876; iv, p. 505, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 60, 1885.
Van Duzee, Can. Ent., xxi, p. 2, 1889.
Uhler, Proc. Ent. Soc. Wash., ii, p. 370, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Gillette and Baker, Hemip. Colo., p. 21, 1895.
Barber, Brookl. Inst. Sci. Bul., i, p. 272, 1906.
novoeboracensis Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 97, 1859.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1904.
Baker, Can. Ent., xl, p. 242, 1908.
borealis Uhler, Proc. Acad. Nat. Sci. Phila., xii, p. 284, 1862.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 403, 1872.

a. var. **maculatus** (Fieb.)
Fieber, Europ. Hemip., p. 234, 1861, *Rhopalus.*
Rey, Revue d'Ent., vii, p. 97, 1888.

b. var. **pictus** Horv.
Horvath, Schn. Beitr. z. Kennt. d. Cauc. Länd., p. 76, 1879.

c. var. **maculicollis** Rey.
Rey, Revue d'Ent., vii, p. 97, 1888.

d. var. **umbrinus** Rey
Rey, Revue d'Ent., vii, p. 98, 1888.

e. var. **griseus** (Fieb.)
Fieber, Europ. Hemip., p. 233, 1861, *Rhopalus.*
Rey, Revue d'Ent., vii, p. 98, 1888.

f. var. **pallidus** Baker.
Baker, Can. Ent., xl, p. 243, 1908.

g. var. **intermedia** Baker.
Baker, Can. Ent., xl, p. 243, 1908.

h. var. **occidentalis** Baker.
Baker, Can. Ent., xl, p. 243, 1908.

i. var. **plutonius** Baker.
Baker, Can. Ent., xl, p. 243, 1908.
Localities: Quebec, N. H., Ont., N. Y., N. J., Pa., Ohio, Dak., Neb., Wyo., Colo., Utah, Mont., Texas, Ariz., Calif., Oregon, Br. Am. (Mexico, Palaearctic.)

Subgenus **Niesthrea** Spin.
Haplotype *sidae* (Fabr.)

Spinola, Essai sur les Hémip., p. 245, 1837 (1840).
Stål, Enum. Hemip., i, p. 223, 1870.
Baker, Can. Ent., xl, p. 243, 1908.

346. **Corizus sidae** (Fabr.)

Fabricius, Ent. Syst., iv, p. 169, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 201, 1803, *Coreus.*
Wolff, Icon. Cimic., v, p. 193, fig. 187, 1811, *Coreus.*
Spinola, Essai sur les Hémip., p. 245, 1837 (1840).
Dallas, List of Hemip., ii, p. 527, 1852, *Rhopalus.*
Guerin, Sagra, Hist. de Cuba, Ins., p. 385, 1857.
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 95, 1859.
Stål, Hemip. Fabr., i, p. 69, 1868.
Stål, Enum. Hemip., i, p. 223, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 301, 1876.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 181.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Horvath, Ann. Mus. Natl. Hung., vi, p. 557, 1908, *Corizus.*
Hambleton, Ann. Ent. Soc. Am., i, p. 142, 1908.
Baker, Can. Ent., xl, p. 243, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 161, 1909.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 132, 1911 (egg).
Bergroth, Mém. Soc. Ent. Belg., p. 163, 1913.
anticus (Signoret), Ann. Soc. Ent. Fr., Ser. 3, vii, p. 99, 1859, *Corizus.*

a. var. **pictipes** (Stål)
Stål, Freg. Eugenes Resa, Ins., p. 239, 1859, *Rhopalus.*
Stål, Stet. Ent. Zeit., xxiii, p. 307, 1862.
Stål, Enum. Hemip., i, p. 223, 1870.
Berg, Hemip. Argent., p. 93, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 171, pl. 15, fig. 24, 1882.
Barber, Brookl. Inst. Sci. Bul., i, p. 271, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907.
Baker, Can. Ent., xl, p. 244, 1908.
ventralis Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 92, 1859.
mexicanus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 95, 1859.
proximus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 96, 1859.
nebulosus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 98, 1859.
luteolus Distant, Biol. Centr. Am., Heter., i, pl. 15, fig. 25, 1881.
Localities: Md., Ga., Fla., Texas, Kan., Okl., Ariz. (Neotropical.)

Subgenus **Arhyssus** Stål
Logotype *bohemani* Sign.

Stål, Enum. Hemip., i, p. 223, 1870.
Baker, Can. Ent., xl, p. 244, 1908.

347. **Corizus validus** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 370, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Gillette and Baker, Hemip. Colo., p. 21, 1895.
Hambleton, Ann. Ent. Soc. Am., i, p. 141, 1908.
Localities: Wyom., Utah, Colo., Ariz., Calif.

348. **Corizus lateralis** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 320, 1825; Compl. Writ., ii, p. 245, [*Coreus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 97, 1859.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 404, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 301, 1876; iii, p. 407, 1877; iv, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 386, 1878. [505, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 170, pl. 16, fig. 9, 1882.
Uhler, Proc. Ent. Soc. Wash., ii, p. 369, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Gillette and Baker, Hemip. Colo., p. 20, 1895.
Hambleton, Ann. Ent. Soc. Am., i, p. 140, 1908.
Baker, Can. Ent., xl, p. 244, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 161, 1909.
Hambleton, Ann. Ent. Soc. Am., ii, p. 272, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910.
punctipennis (Dallas), List of Hemip., ii, p. 526, 1852, *Rhopalus.*
nigristernum Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 100, 1859.

a. var. **roseus** Baker.
Baker, Can. Ent., xl, p. 244, 1908.
Localities: N. H., Mass., N. Y., N. J., Pa., D. C., Fla., Kan., Ill., Mo., Colo., Texas, Ariz. (Mexico.)

349. **Corizus bohemanii** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 86, 1859.
Hambleton, Ann. Ent. Soc. Am., i, p. 143, 1908.
Baker, Can. Ent., xl, p. 244, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 163, 1909.
†*punctiventris* Stål, Enum. Hemip., i, p. 223, 1870.
Baker, Can. Ent., xl, p. 244, 1908.
†*nigristernum* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 301, 1876; iii, p.
Van Duzee, Can. Ent., xxi, p. 2, 1889. [408, 1877.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Gillette and Baker, Hemip. Colo., p. 21, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 191, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 27, 1910.
†*lateralis* Provancher, Pet. Faune Ent. Can., iii, p. 60, 1885.
Localities: Quebec, Ont., N. H., N. Y., Pa., N. J., Md., D. C., Va., N. C., Fla., Texas, Ariz., Calif.

350. **Corizus scutatus** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 239, 1859, *Rhopalus.*
Stål, Enum. Hemip., i, p. 224, 1870.
Hambleton, Ann. Ent. Soc. Am., i, p. 139, 1908.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 231, 1916.
jactatus Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 81, 1859.
Localities: Wyom., Utah, Calif., Ore.

351. **Corizus punctatus** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 81, 1859.
Distant, Biol. Centr. Am., Heter., i, p. 170, pl. 16, fig. 8, 1882.
Hambleton, Ann. Ent. Soc. Am., i, p. 144, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 161, 1909.
Localities: Fla., Texas, Ariz. (Neotropical.)

352. **Corizus indentatus** Hambl.

Hambleton, Ann. Ent. Soc. Am., i, p. 139, 1908.
Localities: Colo., Wyo., Calif., Wash., Ore.

353. **Corizus tuberculatus** Hambl.

Hambleton, Ann. Ent. Soc. Am., i, p. 140, 1908.
Locality: Wash.

354. **Corizus parvicornis** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 3, vii, p. 101, 1859.
Hambleton, Ann. Ent. Soc. Am., i, p. 143, 1908.
Localities: Texas, Calif. (Mexico.)

355. **Corizus hirtus** Bueno

Bueno, Ent. News, xxiii, p. 217, 1912.
Locality: N. Y.

TRIBE *LEPTOCORINI* Van D.

Van Duzee, Can. Ent., xlvi, p. 379, 1914.
Serinetharia Stål, Enum. Hemip., iii, p. 97, 1873 (as division).
Berg, Hemip. Argent., p. 95, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 172, 1882 (as division).
Distant, Fauna Br. Ind., Rhyn., i, p. 418, 1902.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 164, 1913 (as division).

Genus **Leptocoris** Hahn

Haplotype *rufus* Hahn = *abdominalis* Fabr.

Hahn, Wanz. Ins., i, p. 200, 1831.
Burmeister, Handb. d. Ent., ii, p. 305, 1835.
Stål, Enum. Hemip., i, p. 226, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 172, 1882.
Uhler, Check List, p. 13, 1886.
Kirkaldy, Trans. Ent. Soc. Lond. for 1905, p. 350.
Serinetha Spinola, Essai sur les Hemip., p. 247, 1837 (1840) (n.n. for Spinola, Tavola Sinot., p. 37, 1850. [*Leptocoris* Hahn.)
Dallas, List of Hemip., ii, p. 459, 1852.
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862.

Stål, Hemip. Afr., ii, p. 112, 1865.
Stål, Enum. Hemip., iii, pp. 98, 99, 1873.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 122, 1894.
Distant, Fauna Br. Ind., Rhyn., i, p. 418, 1902. (Names *abdominalis*
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 164, 1913. [Fabr. type.)
Lygeomorphus Blanchard, Hist. des Ins., Hémip., p. 116, 1840 (n.n. for [*Leptocoris* Hahn.)
Pyrrhotes Westwood, Hope Cat., ii, p. 6, 1842 (n.n. for *Leptocoris* Hahn.)
Tynotoma Amyot and Serville, Hémip., p. 220, 1843. (Haplotype *vittata* [Am. & Serv.)
Boisea Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 123, 1910 (as subgen. of [*Leptocoris* Hahn; Orthotype *vittata*.)

356. **Leptocoris trivittatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 322, 1825; Compl. Writ., ii, p. 246,
Stål, Enum. Hemip., i, p. 226, 1870. [*Lygaeus*.
Uhler, Hayden's Surv. Terr. for 1871, p. 404, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 301, 1876; iii, p. 408, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1326.
Distant, Biol. Centr. Am. Heter., i, p. 172, 1882.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Gillette and Baker, Hemip. Colo., p. 21, 1895.
?vittata Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 123, 1910.
Localities: Mo., Kan., Colo., Utah, Ariz., Calif.

Genus **Jadera** Stål
Logotype *coturnix* Burm. = *sanguinolenta* Fabr.

Stål, Rio Jan. Hemip., ii, p. 59, 1862.
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862.
Stål, Enum. Hemip., i, p. 226, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 172, 1882.
†*Pyrrhotes* Bergroth, Wien. Ent. Zeit., xxv, p. 9, 1906.
Banks, Cat. Nearc. Hemip., p. 73, 1910.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 165, 1913.

357. **Jadera haematoloma** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 103, fig. 873, 1848, *Leptocoris*.
Dallas, List of Hemip., ii, p. 463, 1852, *Serinetha*.
Guerin, Sagra, Hist de Cuba, Ins., p. 393, 1857, *Lygaeus*.
Stål, Stet. Ent. Zeit., xxiii, p. 307, 1862.
Stål, Enum. Hemip., i, p. 226, 1870.
Uhler, Hayden's Surv. Terr., for 1871, p. 404, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 173, pl. 17, fig. 5, 1882.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 237, 1894.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 540, 1901.
Barber, Brookl. Inst. Sci. Bul., i, p. 272, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 163, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 518, 1914. (*Pyrrhotes*.)
marginalis (Walker), Cat. Heter., v, p. 45, 1872, *Lygaeus*.
Localities: Fla., Kan., Colo., Texas, Ariz., Calif.

358. **Jadera sanguinolenta** (Fabr.)

Fabricius, Syst. Ent., p. 721, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 257, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 365, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 300, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 158, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 224, 1803, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 67, 1868, *Serinetha.*
Stål, Enum. Hemip., i, p. 227, 1870.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 429, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907.
cruentus (Fabricius), Mantissa Ins., ii, p. 301, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 159, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 225, 1803.
coturnix (Burmeister), Handb. d. Ent., ii, p. 305, 1835, *Leptocoris.*
Dallas, List of Hemip., ii, p. 462, 1852, *Serinetha.*
Guerin, Sagra, Hist. de Cuba, Ins., p. 392, 1857, *Lygaeus.*
Stål, Rio Jan. Hemip., ii, p. 59, 1862 (misspelled *Cothurnix*).
Stål, Stet. Ent. Zeit., xxiii, p. 306, 1862 (misspelled *Cothurnix*).
bicolor (Westwood), Hope Cat., ii, p. 26, 1842, *Pyrrhotes.*
cinerea (Amyot and Serville), Hémip., p. 244, 1843, *Therapha.*
anticus (Walker), Cat. Heter., v, p. 46, 1872, *Lygaeus* (examples c-n only).
rufoculis (Kirby), Jl. Linn. Soc. Zool., xx, p. 546, 1890 *Lygaeus.*
Localities: Fla. (Neotropical.)

359. **Jadera aeola** (Dall.)

Dallas, List of Hemip., ii, p. 463, 1852, *Serinetha.*
Stål, Enum. Hemip., i, p. 227, 1870.
Distant, Biol. Cent. Am., Heter., i, p. 173, pl. 15, fig. 22, 1882.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 429, 1901.
Barber, Brookl. Inst. Sci. Bul., i, p. 272, 1906.
conspersus (Walker), Cat. Heter., v, p. 47, 1872, *Lygaeus.*
Localities: Texas. (Neotropical.)

SERIES *PHLOEOBIOTICA* Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 32, 49, 1912.
Oshanin, Kat. Palae. Hemip., p. 46, 1912.

Family ARADIDAE (Spin.)

Spinola, Essai sur les Hémip., p. 157, 1837 (1840), *Aradites.*
Costa, Cimic. Neap., Cent., ii, p. 15, 1843, *Aradini.*
Herrich-Schaeffer, Wanz. Ins., viii, p. 111, 1844, *Aradites.*
Spinola, Tavola Sinot., p. 44, 1850, *Aradoideae.*
Fieber, Genera Hydroc., p. 9, 1851, *Aradoidea.*
Flor, Rhyn. Livl., i, p. 375, 1860, *Aradoidea.*
Fieber, Europ. Hemip., pp. 24, 34, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 437, 1862, *Aradida.*
Stål, Hemip. Afr., iii, p. 30, 1865, *Aradida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 671, 1870, *Aradina.*

Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 48, 1872.
Stål, Enum. Hemip., iii, p. 135, 1873, *Aradidae.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876.
Berg, Hemip. Argent., p. 138, 1879.
Uhler, Stand. Nat. Hist., ii, p. 283, 1884.
Uhler, Check List, p. 22, 1886.
Puton, Cat. Hémip. Palae., Edn. 3, p. 34, 1886, *Aradides.*
Provancher, Pet. Faune Ent. Can., iii, p. 163, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 65, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 153, 1902.
Oshanin, Verz. Palae. Hemip., i, p. 463, 1908.
Kirkaldy, Can. Ent., xl, p. 360, 1908.
Banks, Cat. Nearc. Hemip., p. 52, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 15, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 32, 49, 1912, [*Aradoidea* (as superfamily).
Oshanin, Kat. Palae. Hemip., p. 46, 1912, *Aradoideae* (as superfamily).
Corticicoles, Amyot and Serville, Hemip., p. xli, 1843.
Herrich-Schaeffer, Wanz. Ins., ix, p. 139, 1853, *Corticicolae.*
Dohrn, Cat. Hemip., p. 43, 1859, *Corticicolae.*
Stål, Rio Jan. Hemip., i, p. 66, 1860, *Corticicolae.*
Douglas and Scott, Br. Hemip., pp. 25, 267, 1865, *Corticicolina.*
Walker, Cat. Heter., vii, p. 6, 1873, *Corticicolae.*

Subfamily ARADINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xli, 306, 1843, *Aradides.*
Stål, Hemip. Afr., iii, p. 30, 1865, *Aradina.*
Douglas and Scott, Br. Hemip., pp. 26, 269, 1865, *Aradidae* (as family).
Stål, Of. Vet. Akad. Forh., xxvii, p. 672, 1870, *Aradina.*
Reuter, Of. Vet. Akad. Forh., xxix, p. 48, 1872, *Aradina.*
Stål, Enum. Hemip., iii, p. 135, 1873, *Aradida.*
Walker, Cat. Heter., vii, pp. 6, 7, 1873, *Aradidae.*
Berg, Hemip. Argent., p. 138, 1879, *Aradina.*
Uhler, Stand. Nat. Hist., ii, p. 283, 1884, *Aradina.*
Uhler, Check List, p. 22, 1886, *Aradina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 31, 1896, *Aradidae* (sub-
Champion, Biol. Centr. Am., Heter., ii, p. 65, 1898, *Aradinae.* [family.)
Distant, Fauna Br. Ind., Rhyn., ii, p. 153, 1903, *Aradinae.*
Oshanin, Verz. Palae. Hemip., i, p. 463, 1908, *Aradina.*
Banks, Cat. Nearc. Hemip., p. 52, 1910, *Aradina.* [*Aradidae* (as family).
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 32, 57, 1912,
Oshanin, Kat. Palae. Hemip., p. 46, 1912, *Aradidae* (as family).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914, *Aradidae* (as family).

Genus **Aradus** Fabr.
Orthotype *betulae* (Linn.)

Fabricius, Syst. Rhyng., p. 116, 1803 (names *betulae* type).
Latreille, Hist. Nat. Crust. Ins., xii, p. 246, 1804.
Latreille, Genera Crust. Ins., iii, p. 140, 1807.
Fallén, Monog. Cimic. Suec., p. 31, 1807.
Latreille, Consid. Génl., pp. 258, 433, 1810. (Cites *betulae* as type.)

Wolff, Icon. Cimic., v, p. vii, 1811.
Latreille, Fam. Règ. Anim., p. 423, 1825, *Arade.*
Le Peletier and Serville, Encyc. Méth., x, pp. 653, 654, 1825.
Fallén, Hemip. Suec., Cimic., p. 134, 1829.
Latreille, Cuvier, Règne Anim., Edn. 2, v, p. 201, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 53, 1832. (Names *annulicornis*
Herrich-Schaeffer, Nomen. Ent., pp. 37, 59, 1835. [pseudotype.)
Burmeister, Handb. d. Ent., ii, p. 255, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 333, 1835.
Latreille, Cuvier, Anim. King., Lond. Edn., iv, p. 165, 1836.
Spinola, Essai sur les Hémip., p. 159, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 111, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840.
Amyot and Serville, Hémip., p. 307, 1843.
Spinola, Tavola Sinot., p. 44, 1850.
Flor, Rhyn. Livl., i, p. 377, 1860.
Fieber, Europ. Hemip., pp. 34, 110, 1861.
Stål, Hemip. Afr., iii, pp. 30, 37, 1865.
Douglas and Scott, Br. Hemip., p. 269, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 48, 1872.
Stål, Enum. Hemip., iii, p. 135, 1873.
Walker, Cat. Heter., vii, pp. 7, 30, 1873.
Berg, Hemip. Argent., p. 138, 1879.
Provancher, Pet. Faune Ent. Can., iii, p. 164, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 65, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 153, 1903. (Names *versicolor* H. S.
Osborn, Ohio Nat., iv, p. 36, 1903. [pseudotype.)
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 301, 1907.

Subgenus **Aradus** Fabr.

Stål, Enum. Hemip., iii, p. 135, 1873. (Section a.)

360. **Aradus aequalis** Say

Say, Heter. N. Harm., p. 29, 1832; Fitch reprint, p. 797; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 136, 1873. [352.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 281, 1894.
Osborn, Ohio Nat., iv, p. 36, 1903.
Bergroth, Can. Ent., xlv, p. 1, 1913.
duryi Osborn, Ohio Nat., iv, p. 39, 1903.
Localities: "Canada," Ohio, Ind., Ill., Okl., Texas.

361. **Aradus quadrilineatus** Say

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 326, 1825; Compl. Writ., ii, p. 249.
Stål, Enum. Hemip., iii, p. 137, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist, xix, p. 418, 1878.
Bergroth, Revue d'Ent., vi, p. 247, 1887 (note).
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894.
Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.

Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
†*robustus* Provancher, Pet. Faune Ent. Can., iii, p. 165, 1887.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., N. C., Fla., Mo.

362. **Aradus robustus** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 104, 1871.
Stål, Enum. Hemip., iii, p. 136, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 419, 1878.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Revue d'Ent., vi, p. 247, 1887 (note).
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894.
Osborn, Ohio Nat., iv, p. 37, 1903.
Van Duzee, Can. Ent., xliv, p. 323, 1912.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 227, 1908.
†*aequalis* Provancher, Pet. Faune Ent. Can., iii, p. 165, 1887.
Localities: Quebec, Ont., Mass., Conn., N. Y., N. J., Md., Del., N. C., Ohio, Ill., Minn., Ia., Kan., Okl., Wis.

363. **Aradus fuscomaculatus** Stål

Stål, Freg. Eugen. Resa, Ins., p. 260, 1859.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876.
fusco-annulatus Stål, Enum. Hemip., iii, p. 136, 1873.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Localities: Calif., Vanc. Isd.

364. **Aradus duzeei** Bergr.

Bergroth, Proc. Ent. Soc. Wash., ii, pp. 333, 335, 1892.
Osborn, Ohio Nat., iv, p. 38, 1903.
‡*vanduzeei* Heidemann, Proc. Ent. Soc. Wash., xii, p. 47, 1910.
Localities: Quebec, Ont., N. Y., Pa., Colo., Calif.

365. **Aradus ornatus** Say

Say, Heter. N. Harm., p. 29, 1832; Fitch reprint, p. 797; Compl. Writ., i, p. [352.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 332, 335, 1892.
Osborn, Ohio Nat., iv, pp. 22, 38, 1903.
Localities: Pa., Ohio, Ind.

366. **Aradus coarctatus** Heid.

Heidemann, Proc. Ent. Soc. Wash., viii, p. 69, 1907.
Localities: Calif., Br. Col.

367. **Aradus behrensi** Bergr.

Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Proc. Ent. Soc., Wash., ii, p. 335, 1892.
Bergroth, Can. Ent., xxxviii, p. 198, 1906.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 233, 1916.
Localities: Calif., Ore.

368. **Aradus curticollis** Bergr.

Bergroth, Can. Ent., xlv, p. 2, 1913.
Locality: N. C.

368½. **Aradus persimilis** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 232, 1916.
Locality: Calif.

369. **Aradus hubbardi** Heid.

Heidemann, Proc. Ent. Soc. Wash., vi, p. 232, 1904.
Bergroth, Can. Ent., xxxviii, p. 198, 1906.
Bueno *in* Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 232, 1916.
Localities: Colo., N. Mex., Ariz., Calif., Vanc. Isd., Br. Col., "Pt. Sidney."

370. **Aradus cincticornis** Bergr.

Bergroth, Can. Ent., xxxviii, p. 198, 1906.
Bergroth, Can Ent., xlv, p. 3, 1913.
Locality: Ala.

371. **Aradus similis** Say

Say, Het. N. Harm., p. 28, 1832; Fitch reprint, p. 796; Compl. Writ., i, p. 351.
Stål, Enum. Hemip., iii, p. 136, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 417, 1878.
Bergroth, Revue d'Ent., vi, p. 247, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, pp. 332, 335, 338, 1892.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 161, 1904.
Bueno *in* Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 26, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: Me., N. Y., N. J., Pa., Md., D. C., N. C., S. C., Fla., Ala., Ill., Texas, Alaska(?).

a. var. **centriguttatus** Bergr.

Bergroth, Revue d'Ent., vi, p. 246, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, pp. 332, 335, 1892.
Locality: Fla.

373. **Aradus debilis** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 322, 1876.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 231, 1916.
Localities: Colo., Idaho, Calif., Vanc. Isd., Br. Col.

374. **Aradus montanus** Bergr.

Bergroth, Can. Ent., xlv, p. 1, 1913.
Locality: Colo.

375. **Aradus acutus** Say

Say, Heter. N. Harm., p. 28, 1832; Fitch reprint, p. 795; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 136, 1873. [351.
Uhler, Wheeler's Surv. 100th Merid., v, p. 839, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 418, 1878.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 161, 1904.

Sherman, Ent. News, xvi, p. 8, 1905.
Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
americanus Herrich–Schaeffer, Wanz. Ins., viii, p. 115, fig. 889, 1848.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 281, 1894.
Gillette and Baker, Hemip. Colo., p. 58, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904.
Localities: N. J., Pa., D. C., N. C., S. C., Ga., Fla., Ala., Ind., Colo., Texas, Calif.

376. **Aradus borealis** Heid.

Heidemann, Proc. Ent. Soc. Wash., xi, p. 190, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 233, 1916.
Localities: N. H., Mich., Calif.

377. **Aradus shermani** Heid.

Heidemann, Proc. Ent. Soc. Wash., viii, p. 68, 1907.
Localities: Pa., N. C.

378. **Aradus inornatus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
Localities: N. J., Pa., Md., N. C., S. C., Ga., Ill., Wis., Neb., Br. Col.

379. **Aradus crenatus** Say.

Say, Heter. N. Harm., p. 28, 1832; Fitch reprint, p. 795; Compl. Writ., i, p. [350.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 418, 1878.
Uhler, Stand. Nat. Hist., ii, p. 383, 1884.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Bergroth, Wien. Ent. Zeit., xiv, p. 168, 1895.
Osborn, Ohio Nat., iv, p. 37, 1903.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 161, 1904.
Sherman, Ent. News, xvi, p. 8, 1905.
Horvath, Ann. Mus. Nat. Hung., vi, p. 565, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 466, 1908.
conspicuus Herrich–Schaeffer, Nomen. Ent., p. 59, 1835.
†*corticalis* Herrich–Schaeffer, Wanz. Ins., v, p. 90, fig. 538, 1839.
dilatatus Dufour, Ann. Soc. Ent. Fr., Ser. 2, ii, p. 452, pl. 10, figs. 1–4, [1844.
Fieber, Europ. Hemip., p. 113, 1861.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 52, 1872.
Walker, Cat. Heter., vii, p. 32, 1873.
Reuter, Ent. Tidskr., iii, p. 77, 1882.
annulipes Boheman, Of. Vet. Akad. Forh., ix, p. 25, 1852.
Localities: Quebec, Ont., Pa., N. C., Md., D. C., Ala., Ohio. (Mexico, Palaearctic.)

380. **Aradus compressus** Heid.

Heidemann, Proc. Ent. Soc. Wash., viii, p. 70, 1907.
Localities: Wash., Van. Isd.

381. **Aradus ampliatus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Locality: Calif.

382. **Aradus tuberculifer** Kirby

Kirby, *in* Richardson, Fauna Bor. Am., iv, p. 278, pl. 6, fig. 5, 1837.
Kirby, *in* Bethune's reprint, p. 136.
Stål, Enum. Hemip., iii, p. 138, 1873.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 335, 1892.
Bergroth, Can. Ent., xlv, p. 3, 1913 (redescribed).
caliginosus Walker, Cat. Heter., vii, p. 36, 1873.
Localities: Quebec, Ont.

383. **Aradus funestus** Bergr.

Bergroth, Can. Ent., xlv, p. 4, 1913.
†*tuberculifer* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876; iii, p. 427, [1877.
Gillette and Baker, Hemip. Colo., p. 58, 1895.
Localities: Quebec. Ont., Colo., Idaho, Calif., Br. Col.

384. **Aradus uniformis** Heid.

Heidemann, Proc. Ent. Soc. Wash., vi, p. 231, 1904.
Localities: Mass., Pa., Va., N. C.

385. **Aradus marginatus** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 381, 1893.
Localities: Utah.

386. **Aradus lugubris** Fall.

Fallén, Hemip. Suec., Cimic., p. 139, 1829.
Herrich-Schaeffer, Wanz. Ins., viii, p. 115, fig. 888, 1848.
Flor, Rhyn. Livl., i, p. 382, 1860.
Fieber, Europ. Hemip., p. 114, 1861.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 60, 1872.
Reuter, Ent. Tidskr., iii, pp. 76, 107, 1882.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Revue d'Ent., vi, p. 247, 1887.
Reuter, Rev. Synon., p. 235, No. 196, 1888.
Bergroth, Proc. Ent. Soc., Wash., ii, p. 336, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 281, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904.
Van Duzee, Can. Ent., xliv, p. 323, 1912.
Bergroth, Can. Ent., xlv, p. 5, 1913.
Kiritschenko, Faune Russie, Hemip., vi, pt. 1, p. 209, 1913.
rectus Say, Heter. N. Harm., p. 29, 1832; Fitch reprint, p. 796; Compl. Writ., i, p. 352.
Uhler, Hayden's Surv. Terr. for 1871, p. 419, 1872.
Stål, Enum. Hemip., iii, p. 137, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876; iii, p. 428, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1329.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 418, 1878.

Uhler, Check List, p. 22, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 167, 1887.
Uhler, Proc. Ent. Soc. Wash., ii, p. 381, 1893.
Gillette and Baker, Hemip. Colo., p. 58, 1895.
Sherman, Ent. News, xvi, p. 7, 1905.
affinis Kirby *in* Richardson, Fauna Bor. Am., iv, p. 279, 1837.
Kirby *in* Bethune's reprint, p. 137.
Stål, Enum. Hemip., iii, p. 138, 1873.
Uhler, Wheeler's Surv. 100th Merid., v, p. 839, 1875.
Gillette and Baker, Hemip. Colo., p. 57, 1895.
gebleri Kolenati, Melet. Ent., vi, p. 23, sp. 226, 1856.
fenestratus Walker, Cat. Heter., vii, p. 36, 1873.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., Md., N. C., Ga., Fla., Mo., Colo., N. Mex., Calif., Br. Col., Alberta.

387. **Aradus abbas** Bergr.

Bergroth, Bul. Soc. Ent. Belg. for 1889, p. clxxx.
Provancher, Pet. Faune Ent. Can., iii, p. 336, 1890.
Bergroth, Proc. Ent. Soc. Wash., ii, pp. 334, 336, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894.
Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
Localities: Quebec, Ont., N. Y., N. J.

388. **Aradus breviatus** Bergr.

Bergroth, Revue d'Ent., vi, p. 245, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, pp. 334, 336, 1892.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 162, 1904.
Localities: N. J., D. C., Fla.

389. **Aradus falleni** Stål

Stål, Rio Jan. Hemip., i, p. 68, 1860.
Stål, Enum. Hemip., iii, p. 136, 1873.
Bergroth, Wien. Ent. Zeit., v, p. 97, 1886.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 338, 1892.
Champion, Biol. Centr. Am., Heter., ii, p. 66, pl. 5, fig. 1, 1898.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 162, 1904.
Sherman, Ent. News, xvi, p. 7, 1905.
Bergroth, Can. Ent. xxxviii, p. 200, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 175, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
leucotomus Costa, Ann. Mus. Zool. Nap., ii, p. 143, pl. 2, fig. 2, 1864.
pallidicornis Stål, Enum. Hemip., iii, p. 136, 1873.
Localities: D. C., N. C., Ga., Fla., Okl., Texas, Calif. (Neotropical.)

390. **Aradus gracilicornis** Stål

Stål, Enum. Hemip., iii, p. 136, 1873.
Bergroth, Revue d'Ent., vi, p. 246, 1887.
Bergroth, Can Ent., xxxviii, p. 200, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 175, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: Fla., Ariz. (West Indies.)

391. **Aradus cinnamomeus** Panz.

Panzer, Fauna Germ., Hft. 100, fig. 20, 1794.
Fieber, Europ. Hemip., p. 111, 1861.
Signoret, Ann. Soc. Ent. Fr., Ser. 4, v, p. 119, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 49, 1872.
Stål, Enum. Hemip., iii, p. 76, 1873.
Walker, Cat. Heter., vii, p. 31, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876.
Reuter, Ent. Tidskr., iii, p. 76, 1882.
Reuter, Revue Synon., p. 232, No. 190, 1888.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 162, 1904.
Sherman, Ent. News, xvi, p. 8, 1905.
Bueno and Brimley, Ent. News., xviii, p. 439, 1907.
Kiritschenko, Faune Russie, Hemip., vi, pt. 1, p. 85, 1913.
leptopterus Germar, Fauna Europ., fasc. xvii, fig. 8, 1834.
Herrich-Schaeffer, Nomen. Ent., p. 60, 1835.
Burmeister, Handb. d. Ent., ii, p. 257, 1835.
Herrich-Schaeffer, Wanz. Ins., v, p. 91, fig. 539, 1839; viii, p. 114, 1848.
Flor, Rhyn. Livl., i, p. 394, 1860.
Signoret, Ann. Soc. Ent. Fr., Ser. 4, v, p. 120, 1865.
perrisii Dufour, Ann. Soc. Ent. Fr., Ser. 2, iii, p. 225, pl. 3, fig. 3, 1845.
albopunctatus Scholtz, Arb. und Verh. Schles. Ges. f. Vaterl. Kult. for [1846, p. 116.
Localities: D. C., N. C., Mo., Texas. (Palaearctic.)

391½. **Aradus insoletus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 233, 1916.
Locality: Calif.

392. **Aradus proboscideus** Walk.

Walker, Cat. Heter., vii, p. 35, 1873.
Locality: "Hudson's Bay."

393. **Aradus fascicornis** Walk.

Walker, Cat. Heter., vii, p. 36, 1873.
Locality: "Nova Scotia."

393½. **Aradus luteolus** Fyles

Fyles, Can. Ent., xxxv, p. 75, 1903, §*Aratus.*
Locality: Quebec.

Subgenus **Piestosoma** Lap.
Orthotype *depressus* Fabr.

Laporte, Essai Classif. Syst. Hémip., p. 53, 1832.
Stål, Enum. Hemip., iii, p. 135, 1873.

394. **Aradus concinnus** Bergr.

Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892.
Bergroth, Can. Ent., xxxviii, p. 198, 1906.
Locality: Calif.

Subgenus **Quilnus** Stål
Logotype *parvicollis* Stål

Stål, Enum. Hemip., iii, p. 137, 1873.
Horvath, Ann. Mus. Natl. Hung., ix, p. 586, 1911. (Names *parvicollis* type.)

395. **Aradus niger** Stål

Stål, Enum. Hemip., iii, p. 137, 1873.
Heidemann, Proc. Ent. Soc. Wash., iv, p. 389, 1901.
Van Duzee, Ent. News, xiii, p. 23, 1902.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 161, 1904.
Sherman, Ent. News, xvi, p. 8, 1905.
Bergroth, Can. Ent., xxxviii, p. 200, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 139, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 587, 1911.
obliquus Uhler MS, Gillette and Baker, Hemip. Colo., p. 58, 1895.
Localities: N. Y., N. J., D. C., N. C., S. C., Colo., Texas.

396. **Aradus heidemanni** Bergr.

Bergroth, Can. Ent., xxxviii, p. 200, 1906.
Localities: Oregon, Br. Col.

Subfamily MEZIRINAE (Osh.) 1908

Oshanin, Verz. Palae. Hemip., i, p. 478, 1908, *Mezirina.*
Brachyrhynquides Amyot and Serville, Hémip., pp. xli, 303, 1843.
Brachyrhynchina Stål, Of. Vet. Akad. Forh., xxxvii, p. 671, 1870.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 61, 1872.
Stål, Enum. Hemip., iii, pp. 135, 138, 1873.
Walker, Cat. Heter., vii, p. 6, 1873, Fam. *Brachyrhynchidae.*
Berg, Hemip. Argent., p. 139, 1879.
Uhler, Stand. Nat. Hist., ii, p. 283, 1884.
Uhler, Check List, p. 22, 1886.
Bergroth, Ent. Tidskr., xv, p. 118, 1894. [*rhynchidae.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 38, 1896, *Brachy-*
Champion, Biol. Centr Am., Heter., ii, p. 66, 1898, *Brachyrhynchinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 156, 1903, *Brachyrhynchinae.*
Aneuridae Douglas and Scott, Brit. Hemip., pp. 26, 267, 1865.
Dysodiidae Reuter, Of. Finska Vet. Soc. Forh., liv, pp. 33, 49, 57, 1912.
Oshanin, Kat. Palae. Hemip., p. 47, 1912.

TRIBE *CALISINI* (Stål)

Stål, Enum. Hemip., iii, p. 138, 1873, Div. *Calisiaria.*
Champion, Biol. Centr. Am., Heter., ii, p. 66, 1898, Group *Calisiaria.*

Genus **Calisius** Stål
Haplotype *pallipes* Stål

Stål, Rio Jan. Hemip., i, p. 67, 1860.
Stål, Hemip. Afr., iii, p. 30, and note, 1865.
Stål, Enum. Hemip., iii, p. 138, 1873.
Bergroth, Ent. Tidskr., xv, p. 98, 1894 (syn. note.)
Champion, Biol. Centr. Am., Heter., ii, p. 66, 1898.
Bergroth, Can. Ent., xlv, p. 5, 1913.

Horvath, Ann. Mus. Natl. Hung., xi, p. 623, 1913 (synop. Old World Spp.).
Aradosyrtis Costa, Ann. Mus. Zool. Nap., ii, p. 132, 1864.
Stål, Enum. Hemip., iii, p. 138, 1873.

397. **Calisius contubernalis** Bergr.

Bergroth, Can. Ent., xlv, p. 6, 1913.
Locality: Fla.

398. **Calisius anaemus** Bergr.

Bergroth, Can. Ent., xlv., p. 7, 1913.
†*pallipes* Heidemann, Proc. Ent. Soc. Wash., vi, p. 229, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909.
Banks, Cat. Nearc. Hemip., p. 54, 1910.
Localities: Fla. (West Indies.)

TRIBE *MEZIRINI* Van D.

Van Duzee, Check List Hemip., p. 16, 1916.
Brachyrhyncharia Stål, Enum. Hemip., iii, p. 138, 1873 (Division).
Champion, Biol. Centr. Am., Heter., ii, p. 68, 1898 (Group).

Genus **Proxius** Stål
Haplotype *incrustatus* Stål

Stål, Enum. Hemip., iii, pp. 139, 141, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 68, 1898.

399. **Proxius gypsatus** Bergr.

Bergroth, Ent. Mo. Mag., xxxiv, p. 100, 1898.
Champion, Biol. Centr. Am., Heter., ii, p. 70, pl. 5, figs. 8, 9, 1898.
Bergroth, Can. Ent., xlv, p. 8, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: Fla. (Neotropical.)

400. **Proxius schwarzii** Heid.

Heidemann, Proc. Ent. Soc. Wash., vi, p. 230, 1904.
Locality: Fla.

Genus **Aphleboderrhis** Stål
Haplotype *pilosa* Stål

Stål, Rio Jan. Hemip., i, p. 67, 1860.
Stål, Enum. Hemip., iii, pp. 140, 142, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 78, 1898.

401. **Aphleboderrhis pubescens** (Walk.)

Walker, Cat. Heter., vii, p. 38, 1873, *Aradus.*
Bergroth, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 57, 1886 (doubtful reference).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 44, 1896, *Pictinus.*
Champion, Biol. Centr. Am., Heter., ii, p. 79, pl. 5, figs. 26, 27, 1898.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 171, 1914.
Localities: Texas. (Neotropical.)

Genus **Pictinus** Stål
Haplotype *cinctipes* Stål

Stål, Enum. Hemip., iii, pp. 140, 145, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 80, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 163, 1903. (Cites *cinctipes* as type.)

402. **Pictinus aurivillii** Bergr.

Bergroth, Revue d'Ent., vi, p. 247, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 229, 1904.
†*cinctipes* var. Bergroth, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 60, 1886.
Localities: Ga.

Genus **Nannium** Bergr.
Orthotype *parvum* Bergr.

Bergroth, Ent. Mo. Mag., xxxiv, p. 100, 1898.
Champion, Biol. Centr. Am., Heter., ii, p. 84, 1898.

403. **Nannium pusio** Heid.

Heidemann, Proc. Ent. Soc. Wash., xi, p. 189, 1909.
Locality: Ohio.

Genus **Mezira** Am. & Serv.

Haplotype *granulata* Am. & Serv. = *usurpata* Bergr.

Amyot and Serville, Hémip., p. 305, 1843.
Fieber, Europ. Hemip., pp. 34, 115, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 438, 1862.
Stål, Hemip. Afr., iii, pp. 32, 35, 1865.
Walker, Cat. Heter., vii, pp. 6, 22, 1873.
Bergroth, Wien. Ent. Zeit., iv, p. 181, 1885.
Bergroth, Can. Ent., xxxviii, p. 202, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 478, 1908.
Distant, Fauna Br. Ind., Rhyn., v, p. 130, 1910.
Banks, Cat. Nearc. Hemip., p. 54, 1910.
‖*Brachyrhynchus* Laporte, Essai Classif. Syst. Hémip., p. 54, 1832. (Ortho-
Burmeister, Handb. d. Ent., ii, p. 254, 1835. [type *orientalis* Lap.)
Blanchard, Hist. des Ins., Hémip., p. 110, 1840.
Amyot and Serville, Hémip., p. 304, 1843.
Spinola, Tavola Sinot., p. 44, 1850.
Fieber, Europ. Hemip., pp. 34, 115, 1861.
Stål, Hemip. Afr., iii, p. 32, 1865.
Stål, Enum. Hemip., iii, p. 143, 1873.
Walker, Cat. Heter., vii, pp. 6, 9, 1873.
Uhler, Check List., p. 22, 1886.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 41, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 91, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 159, 1903. (Names *mem-*
[*branaceus* pseudotype.)
†*Dysodius* Spinola, Essai sur les Hémip., p. 160, 1837 (1840) (part).
Dusius Bergroth, Ent. Tidskr., xv, p. 104, 1894.
Bergroth, Wien. Ent. Zeit., xiii, p. 179, 1891.

Subgenus **Arictus** Stål
Orthotype *thoracoceras* Montr.

Stål, Hemip. Afr., iii, p. 31, 1865. (Invalid here.)
Stål, Berl. Ent. Zeit., x, p. 164, 1867. (Valid here.)
Stål, Enum. Hemip., iii, p. 144, 1873.

404. **Mezira lobata** (Say)

Say, Heter. N. Harm., p. 30, 1832; Fitch reprint, p. 799; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 145, 1873, *Brachyrhynchus.* [354, *Aradus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876, *Brachyrhynchus.*
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892, *Brachyrhynchus.*
Champion, Biol. Cent. Am., Heter., ii, pp. 92, 96, pl. 6, fig. 28, 1898, *Brachy-*
Osborn, Ohio Nat., iv, p. 40, 1903, *Brachyrhynchus.* [*rhynchus.*
Localities: "Canada," Pa., Md., N. C., Ga., Fla., Ohio, Mich., Ind., Ill., Mo., Texas, Calif.

405. **Mezira emarginata** (Say)

Say, Heter. N. Harm., p. 30, 1832; Fitch reprint, p. 798; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 147, 1873, *Brachyrhynchus.* [354, *Aradus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 281, 1894, *Brachyrhynchus.*
Champion, Biol. Centr. Am., Heter., ii, pp. 93, 102, pl. 7, fig. 5, 1898,
[*Brachyrhynchus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904, *Brachyrhynchus.*
Localities: Miss.(?), N. Mex., Nevada, Calif.

406. **Mezira moesta** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 438, 1862.
Walker, Cat. Heter., vii, p. 23, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876, *Brachyrhynchus.*
Champion, Biol. Centr. Am., Heter., ii, pp. 93, 102, 1898, *Brachyrhynchus.*
Sherman, Ent. News, xvi, p. 8, 1905, *Brachyrhynchus.*
Localities: N. C.(?), Wyom., Ariz., Calif., Vanc. Isd.

407. **Mezira granulata** (Say)

Say, Heter. N. Harm., p. 30, 1832; Fitch reprint, p. 798; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 145, 1873, *Brachyrhynchus.* [353, *Aradus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876, *Brachyrhynchus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 420, 1878, *Brachyrhynchus.*
Bergroth, Proc. Ent. Soc. Wash., i, p. 336, 1892, *Brachyrhynchus.*
Heidemann, Proc. Ent. Soc. Wash., vi, p. 162, 1904.
Sherman, Ent. News, xvi, p. 8, 1905, *Brachyrhynchus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 175, 1909.
Van Duzee, Can. Ent., xliv, p. 323, 1912.
parvulus (Herrich-Schaeffer), Wanz. Ins., ix, p. 139, fig. 956, 1853, *Dysodius.*
†*lobatus* Provancher, Pet. Faune Ent. Can., iii, p. 168, 1887.
Localities: Md., N. C., S. C., Ga., Fla., Ala., Ind., Mo., Texas.

Genus **Neuroctenus** Mayr

Logotype *brasiliensis* Mayr = *punctulatus* (Burm.)
Fieber, Europ. Hemip., p. 34, 1860 (no species, invalid).
Mayr, Verh. Zool.-Bot. Ges. Wien, xvi, p. 365, 1866 (valid here).
Stål, Enum. Hemip., iii, p. 145, 1873.

Bergroth, Of. Finska Vet. Soc. Forh., xxix, p. 173, 1887. (Synopsis.)
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892.
Champion, Biol. Centr. Am., Heter., ii, p. 106, 1898. [type.)
Distant, Fauna Br. Ind., Rhyn., ii, p. 164, 1903. (Names *caffer* Stål pseudo-

408. Neuroctenus simplex (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 323, 1876, *Brachyrhynchus.*
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892.
Osborn, Ohio Nat., iv, p. 40, 1903.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 162, 1904.
Sherman, Ent. News, xvi, p. 8, 1905, *Brachyrhynchus.*
Sherman, Ent. News, xvi, p. 9, 1905, *Neuroctenus.*
Smith, Cat. Ins. N. J., Edn. 3, p. 140, 1910.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 134, 1911 (egg).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: N. Y., N. J., Pa., Md., D. C., N. C., S. C., Ga., Fla., Ohio, Ind., Ill., Mo., Texas.

409. **Neuroctenus pseudonymus** Bergr.

Bergroth, Wien. Ent. Zeit., xvii, p. 27, 1898.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 163, 1904.
Sherman, Ent. News, xvi, p. 9, 1905.
†*ovatus* Bergroth, Of. Finska Vet. Soc. Forh., xxix, p. 183, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 336, 1892.
Osborn, Ohio Nat., iv, p. 41, 1903.
Sherman, Ent. News., xvi, p. 8, 1905, *Brachyrhynchus.*
Localities: D. C., N. C., Ohio, Ind.

410. **Neuroctenus elongatus** Osb.

Osborn, Ohio Nat., iv, p. 41, 1903.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 163, 1904.
Sherman, Ent. News, xvi, p. 9, 1905.
Bueno and Englehardt, Can. Ent., xlii, p. 150, 1910.
Localities: Pa., N. C., Ohio.

411. **Neuroctenus hopkinsi** Heid.

Heidemann, Proc. Ent. Soc. Wash., vi, p. 163, 1904.
Sherman, Ent. News, xvi, p. 9, 1905.
Locality: N. C.

Genus **Aneurus** Curt.
Haplotype *laevis* (Fabr.)

Curtis, Br. Ent., ii, pl. 86, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 54, 1832. (Cites *laevis* as type.)
Herrich–Schaeffer, Nomen. Ent., pp. 37, 59, 1835.
Burmeister, Handb. d. Ent., ii, p. 253, 1835.
Spinola, Essai sur les Hémip., p. 160, 1837 (1840).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840. (Cites *laevis* as
Amyot and Serville, Hémip., p. 306, 1843. [type.)
Spinola, Tavola Sinot., p. 44, 1850.
Herrich–Schaeffer, Wanz. Ins., ix, p. 141, pl. 310, figs. A–D, 1853.
Flor, Rhyn. Livl., i, p. 395, 1860.

Fieber, Europ. Hemip., pp. 35, 116, 1861.
Douglas and Scott, Br. Hemip., p. 267, 1865.
Stål, Hemip. Afr., iii, p. 32, 1865.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871.
Reuter, Of. Vet. Akad. Forh., xxix, No. 5, p. 62, 1872.
Stål, Enum. Hemip., iii, p. 146, 1873.
Walker, Cat. Heter., vii, pp. 6, 8, 29, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 420, 1878.
Bergroth, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 56, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 168, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 113, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 166, 1903. (Cites *laevis* Fabr. as type.)
Bergroth, Ann. Mus. Natl. Hung., xii, p. 89, 1914. (Exotic forms.)
†*Brachyrhynchus* Brullé, Hist. des Ins., Hémip., ix, p. 335, 1835 (as subgen. [of *Aradus*.)

412. **Aneurus politus** Say

Say, Heter. N. Harm., p. 31, 1832; Fitch reprint, p. 799; Compl. Writ., i, p. [354.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871.
Stål, Enum. Hemip., iii, p. 146, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 421, 1878.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892.
Champion, Biol. Centr. Am., Heter., ii, p. 115, pl. 7, fig. 29, 1898.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: Fla. (Neotropical.)

413. **Aneurus septentrionalis** Walk.

Walker, Cat. Heter., vii, p. 30, 1873.
Bergroth, Revue d'Ent., vi, p. 247, note, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892.
Champion, Biol. Centr. Am., Heter., ii, p. 116, 1898 (mere notice).
Van Duzee, Can. Ent., xlv, p. 323, 1912.
†*politus* Provancher, Pet. Faune Ent. Can., iii, p. 169, 1887.
Localities: Nova Scotia, Quebec, Ont.

414. **Aneurus inconstans** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 105, 1871.
Stål, Enum. Hemip., iii, p. 146, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 420, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 169, 1887.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa.

415. **Aneurus simplex** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871.
Stål, Enum. Hemip., iii, p. 146, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 421, 1878.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892
Champion, Biol. Centr. Am., Heter., ii, p. 116, 1898 (notice only).
Heidemann, Proc. Ent. Soc. Wash., vi, p. 164, 1904.
Localities: "New England," Wash.

416. **Aneurus minutus** Bergr.

Bergroth, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 58, 1886.
Bergroth, Proc. Ent. Soc. Wash., ii, p. 337, 1892.
Champion, Biol. Centr. Am., Heter., ii, p. 114, pl. 7, fig. 27, 1898.
Heidemann, Proc. Ent. Soc. Wash., vi, p. 164, 1904.
Localities: Ga., Fla., Texas, Ariz.

417. **Aneurus fiskei** Heid.

Heidemann, Proc. Ent. Soc. Wash., vi, p. 164, 1904.
Sherman, Ent. News, xvi, p. 9, 1905.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 227, 1908.
Localities: N. Y., Pa., Va., N. C., Ga.

418. **Aneurus tenuicornis** Champ.

Champion, Biol. Centr. Am. Heter., ii, p. 116, pl. 7, fig. 30, 1898.
Locality: Ga.

SERIES *ONYCHIOPHORA* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 75, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 27, 31, 49, 1912.
Oshanin, Kat. Palae. Hemip., p. 26, 1912.

Superfamily LYGAEOIDEAE Osh.

Oshanin, Kat. Palae. Hemip., p. 26, 1912.
Neidoideae Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 76, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912.

PHALYNX *LYGAEIFORMES* Osh.

Oshanin, Kat. Palae. Hemip., p. 27, 1912.
Neidiformes Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 76, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 31, 49, 1912.

Family NEIDIDAE (Kirk.)

Kirkaldy, Jl. Bombay Nat. Hist. Soc., xiv, p. 302, 1902, subfam. *Neiinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 77, 83, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 47, 49, 58, 1912.
Berytidea Fieber, Genera Hydroc., p. 9, 1851.
Costa, Cimic. Neap., Cent., iii, p. 67, 1852, *Berytini* (subfam. of
Fieber, Wien. Ent. Monats., iii, p. 200, 1859, *Berytideae.* [*Coreidae*).
Fieber, Europ. Hemip., p. 26, 1860, *Berytidae.*
Stål, Hemip. Fabr., ii, p. 119, 1865, *Berytida.*
Douglas and Scott, Brit. Hemip., p. 18, 1865, *Berytina.*
Stål, Enum. Hemip., iv, p. 127, 1874, *Berytina* (subfam. of *Lygaeidae*).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876, *Berytina* (subfam. [of *Coreidae.*)
Uhler, U. S. Geol. Geog. Surv., iii, p. 406, 1877, *Berytinae* (subfam. [of *Coreidae.*)
Distant, Biol. Centr. Am., Heter., i, p. 162, 1881, *Berytinae* (subfam.
Uhler, Stand. Nat. Hist., ii, p. 289, 1884, *Berytidae.* [of *Coreidae.*)
Berg, Hemip. Argent., Add., p. 52, 1884, *Berytina* (subfam. of
Puton, Cat. Hemip. Palae., Edn. 3, p. 19, 1886, *Berytidae.* [*Lygaeidae.*

Uhler, Check List, p. 13, 1886, *Berytidae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 127, 1894, *Berytidae.*
Distant, Fauna Br. Ind., Rhyn., i, p. 421, 1902, *Berytidae.* [*Lygaeidae.*)
Van Duzee, Can. Ent., xli, p. 372, 1909, *Berytidae* (subfam. of
Bergroth, Ann. Soc. Ent. Belg., liv, p. 297, 1910, *Berytidae.*
Bueno *in* Smith, Cat. Ins. N. J., Edn. 3, p. 147, 1910, *Berytinae* (sub-
Banks, Cat. Nearc. Hemip., p. 71, 1910, *Berytidae.* [fam. of *Coreidae.*)
Horvath, Ann. Mus. Natl. Hung., ix, p. 13, 1911, *Berytidae.*
Oshanin, Kat. Palae. Hemip., p. 40, 1912, *Berytidae.*

Subfamily NEIDINAE Van D.

Van Duzee, Check List Hemip., p. 17, 1916.
Berytidae Douglas and Scott, Brit. Hemip., pp. 19, 149, 1865.
Puton, Cat. Hemip. Palae., edn. 3, p. 19, 1886, *Berytaria.* [(as subfam.).
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 127, 1894, *Berytidae*
Oshanin, Verz. Palae. Hemip., i, p. 236, 1906, *Berytaria* (Division).
Oshanin, Kat. Palae. Hemip., p. 40, 1912, *Berytaria* (Tribe).

Genus **Neides** Latr.
Logotype *tipularius* (Linn.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 246, 1802; xii, p. 209, 1804.
Latreille, Genera Crust. Ins., iii, p. 120, 1807.
Latreille, Consid. Génl., pp. 255, 433, 1810. (Names *tripularius* type.)
Latreille, Fam. Règne Anim., p. 421, 1825 (not Latin).
Curtis, Br. Ent., iv, pl. 150, 1827.
Latreille *in* Cuvier, Règne Anim., Edn. 2, v, p. 198, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 41, 1832. (Cites *tripularius* as type.)
Brullé, Hist. des Ins., ix, p. 354, 1835.
Latreille *in* Cuvier Anim. King., London Edn., iv, p. 163, 1836.
Spinola, Essai sur les Hémip., p. 203, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 115, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840. (Cites *tipularius*
Amyot and Serville, Hémip., p. 233, 1843. [as type.)
Spinola, Tavola Sinot., p. 42, 1850.
Dallas, List of Hemip., ii, p. 488, 1852.
Fieber, Europ. Hemip., pp. 54, 209, 1861.
Stål, Enum. Hemip., iv, pp. 127, 128, 1874.
Puton, Cat. Hémip. Palae., Edn. 3, p. 19, 1886.
Uhler, Check List., p. 13, 1886.
Distant, Biol. Centr. Am., Heter., i, p. 460, 1893.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 127, 1894.
Kirkaldy, Proc. Ent. Soc. Wash., vii, p. 28, 1905.
Oshanin, Kat. Palae. Hemip., 40, 1912.
Berytus Fabricius, Syst. Rhyng., p. 264, 1803. (Orthotype *tipularius*
Say, Am. Ent., i, pl. xiv, 1824. [Fabr.)
Fallén, Hemip. Suec., Cimic., p. 164, 1829.
Schilling, Hemip. Silesiae, Beit. z. Ent., ii, p. 55, 1829. [*tipularius* Linn.)
Leach *in* Brewster, Edinbg. Encyc., Am. Edn., viii, p. 710, 1832 (for
Hahn, Wanz. Ins., i, p. 132, 1831.
Herrich-Schaeffer, Nomen. Ent., p. 36, 1835.

Burmeister, Handb. d. Ent., ii, p. 313, 1835.
Reuter, Rev. Synon., pp. 176, No. 112; p. 178, No. 113, note, 1888.
Bergroth, Wien. Ent. Zeit., xxv, p. 10, 1906.
Podicerus Dumeril, Dicty. Hist. Nat., iv, suppl. p. 81, 1816; xxx, p. 406, [1824; xlii, p. 56, 1856. (Type *tipularius* Linn.)
Sphalerocoris Flor, Rhyn. Livl., i, pp. 202, 205, 1860.
†*Capys* Provancher, Pet. Faune Ent. Can., iii, p. 58, 1885.

419. **Neides muticus** (Say)

Say, Heter. N. Harm., p. 13, 1832; Fitch reprint, p. 772; Compl. Writ., i, p. [328, *Berytus.*
Stål, ? Enum. Hemip., iv, p. 129, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876; iii, p. 406, 1877; iv, p. [504, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 384, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 58, 1885, *Capys.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 238, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 132, 1894, *Jalysus.*
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Van Duzee, Can. Ent., xli, p. 372, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 148, 1910.
gracilipes Stål, Freg. Eug. Resa, Ins., p. 235, 1859.
decurvatus Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 100, 1871.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 402, 1872 (as new).
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Ga., Ohio, Mich., Ill., Wis., Neb., Kan., Colo., Utah, Idaho, Ariz., Calif., Vanc. Isd.

Genus **Hoplinus** Stål
Haplotype *spinosissimus* (Sign.)

Stål, Enum. Hemip., iv, pp. 127, 128, 1874.

420. **Hoplinus(?) multispinus** Ashm.

Ashmead, Ent. Am., iii, p. 155, 1887.
Locality: Fla.

Subfamily METACANTHINAE D. & S.

Douglas and Scott, Brit. Hemip., pp. 19, 145, 1865, *Metacanthidae.*
Puton, Synop. Heter. Fr., ii, p. 121, 1879.
Puton, Cat. Hémip. Palae., Edn. 3, p. 20, 1886, Div. *Metacantharia.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 131, 1894, Subfam. *Meta-*
Oshanin, Verz. Palae. Hemip., i, p. 242, 1906, Div. *Metacanthidae.* [*canthidae.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 13, 1907, Fam. *Metacanthidae.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 163, 1909, Fam. *Metacanthidae.*
Oshanin, Kat. Palae. Hemip., p. 41, 1912, Tribe *Metacantharia.*

Genus **Jalysus** Stål
Logotype *macer* Stål

Stål, Rio Jan. Hemip., ii, p. 59, 1862.
Stål, Enum. Hemip., iv, p. 128, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 162, 1881.
Provancher, Pet. Faune Ent. Can., iii, p. 58, 1885.
Barber, Jl. N. Y. Ent. Soc., xix, p. 24, 1911. (Key.)

421. **Jalysus spinosus** (Say)

Say, Am. Ent., i, pl. 14, 1824; Compl. Writ., i, p. 28, pl. 14, *Berytus.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 402, 1872, *Neides.*
Stål, Enum. Hemip., iv, p. 129, 1874.
Uhler, Wheeler's Surv. 100th Merid., v, p. 832, 1875, *Neides.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 299, 1876; iii, p. 406, 1877, *Neides.*
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1325, *Neides.*
Provancher, Pet. Faune Ent. Can., iii, p. 58, 1885.
Uhler, Check List, p. 13, 1886.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 172, 1894.
Gillette and Baker, Hemip. Colo., p. 19, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 163, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 148, 1910.
Barber, Jl. N. Y. Ent. Soc., xix, p. 24, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ohio, Ill., Mich., Wis., Neb., Kan., Colo., Texas.

a. var. **wickhami** Van D.
Van Duzee, Ent. News, xvii, p. 387, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Localities: Utah, Ariz., Calif., Oregon.

422. **Jalysus elongatus** Barb.

Barber, Jl. N. Y. Ent. Soc., xix, p. 23, 1911.
Locality: Ariz.

423. **Jalysus perclavatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 163, 1909.
†*multispinus* Banks, Cat. Nearc. Hemip., p. 71, 1910 (part).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
†*multispinosus* Barber, Jl. N. Y. Ent. Soc., xix, p. 24, 1911.
Localities: N. J., D. C., Fla., Mo., Ariz.

Genus **Protacanthus** Uhl.
Haplotype *decorus* Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 707.
Bergroth, Mém. Soc. Ent. Belg., xxii, p. 179, 1913.

424. **Protacanthus decorus** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 708.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 430, 1901, *Metacanthus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 14, 1907; ix, p. 164, 1909.
Bergroth, Mem. Soc. Ent. Belg., xxii, p. 179, 1913.
Van Duzee, Check List Hemip., p. 17, 1916, *Metacanthus.*
capitatus Uhler, Proc. Zool. Soc. Lond. for 1894, p. 181, *Metacanthus.*
Localities: Fla. (West Indies.)

Genus **Pronotacantha** Uhl.
Haplotype *annulata* Uhl.

Uhler, N. Am. Fauna, vii, p. 260, 1893.

425. **Pronotacantha annulata** Uhl.

Uhler, N. Am. Fauna, vii, p. 260, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 238, 1894, *Acantholaena*.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906, *Acantholaena*.
Localities: Ariz., Calif.

Genus **Acanthophysa** Uhl.
Haplotype *echinata* Uhl.

Uhler, N. Am. Fauna, vii, p. 261, 1893.

426. **Acanthophysa echinata** Uhl.

Uhler, N. Am. Fauna, vii, p. 261, 1893.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 352, 1904.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 5, 1914.
Localities: N. Mex., Calif.

Family **LYGAEIDAE** (Schill.)

Schilling, Beit. z. Ent., i, p. 37, 1829, Div. *Lygaeides*.
Hahn, Wanz. Ins., i, p. 231, 1831, *Lygaeides*.
Laporte, Essai Classif. Syst. Hémip., p. 32, 1832, *Lygéites*.
Herrich–Schaeffer, Nomen. Ent., i, p. 36, 1835, *Lygaeidae*.
Burmeister, Handb. d. Ent., ii, pp. iii, 279, 1835, *Lygaeodes*.
Brullé, Hist. des Ins., ix, p. 372, 1835, *Lygéens*.
Spinola, Essai sur les Hémip., p. 224, and chart 14, 1837 (1840), *Lygeites*.
Costa, Cimic. Reg. Neap., Cent., i, p. 38, 1838, *Lygaeini*.
Blanchard, Hist. des Ins., Hémip., p. 127, 1840, *Lygéens*.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840, *Lygaeidae*.
Spinola, Tavola Sinot., pp. 26, 27, 38, 1850, *Lygeitae*.
Fieber, Genera Hydroc., p. 9, 1851, *Lygaeodae*.
Dallas, List of Hemip., ii, p. 531, 1852, *Lygaeidae*.
Stål, Freg. Eug. Resa, Ins., p. 240, 1859, *Lygaeides*.
Costa, Cimic. Reg. Neap., Add., p. 16, 1860, *Lygaeidea*.
Flor, Rhyn. Livl., i, p. 213, 1860, *Lygaeodea*.
Stål, Rio Jan. Hemip., i, p. 37, 1860, *Lygaeidae*.
Fieber, Europ. Hemip., pp. 26, 163, 1861, *Lygaeodae*.
Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862, *Lygaeida*.
Stål, Hemip. Afr., ii, p. 120, 1865, *Lygaeida*.
Stål, Hemip. Fabr., i, p. 69, 1868, *Lygaeida*.
Schjoedte, Nat. Tidskr., Ser. 3, vi, p. 266, 1869, *Lygaei*.
Stål, Of. Vet. Akad. Forh., xxvii, p. 659, 1870, *Lygaeina*.
Stål, Enum. Hemip., iv, p. 98, 1874, *Lygaeidae*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876, *Lygaeidae*.
Distant, Biol. Centr. Am., Heter., i, p. 173, 1882, *Lygaeidae*.
Reuter, Revue d. Ent., iv, p. 199, 1885, *Lygaeidae*.
Puton, Cat. Hémip. Palae., Edn. 3, p. 20, 1886, *Lygaeides*.
Uhler, Check List, p. 13, 1886, *Lygaeidae*.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 135, 1894, *Lygaeidae*.
Oshanin, Verz. Palae. Hemip., i, p. 245, 1906, *Lygaeidae*.
Distant, Fauna Br. Ind., Rhyn., ii, p. 1, 1903; v, p. 1, 1910, *Lygaeidae*.
Horvath, Ann. Mus. Natl. Hung., ix, p. 10, 1911, *Lygaeidae*.

Oshanin, Kat. Palae. Hemip., p. 27, 1912, *Lygaeidae.*
Infericornes Amyot and Serville, Hémip., pp. xxxvi, 248, 1843.
Myodochidae Kirkaldy, Entomol., xxxii, p. 220, 1899.
Kirkaldy, Can. Ent., xxxix, p. 244, 1907; xl, p. 360, 1908.
Kirkaldy, Trans. N. Zeal. Inst., xli, p. 25, 1908.
Horvath, Ann. Mus. Natl. Hung., vi, p. 558, 1908.
Bergroth, Ann. Soc. Ent. Belg., liii, p. 189, 1909.
Kirkaldy, Can. Ent., xlii, p. 63, 1910.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 76, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 58, 1912.
Geocoridae Kirkaldy, Jl. Bombay Nat. Hist. Soc., xiv, p. 306, 1902.
Kirkaldy, Proc. Haw. Ent. Soc., i, pp. 139, 149, 1907.
Pyrrhocoridae Kirkaldy, Entomol., xxxvii, p. 280, 1904.
Kirkaldy, Trans. Ent. Soc. Lond. for 1905, p. 343 (part).

Subfamily **LYGAEINAE** Stål

Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862, *Lygaeida.*
Stål, Hemip. Afr., ii, p. 121, 1865, *Lygaeida.*
Stål, Of. Vet. Akad. Forh., xxvii, No. 7, p. 37, 1872, *Lygaeina.*
Stål, Enum. Hemip., iv, p. 98, 1874.
Berg, Hemip. Argent., p. 98, 1879, *Lygaeina.*
Distant, Biol. Centr. Am., Heter., i, p. 173, 1882, *Lygaeinae.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 20, 1886, Tribe *Lygaeini.*
Uhler, Check List, p. 15, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 135, 1894, Subfam. *Lygaeidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 2, 1903, *Lygaeinae.*
Oshanin, Verz. Palae. Hemip., i, p. 245, 1906, *Lygaeina.*
Banks, Cat. Nearc. Hemip., p. 60, 1910, *Lygaeini.*
Oshanin, Kat. Palae. Hemip., p. 27, 1912, *Lygaeinae.*

TRIBE *LYGAEINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxvii, No. 7, p. 40, 1872, Div. *Lygaearia.*
Stål, Enum. Hemip., iv, p. 98, 1874, Div. *Lygaearia.*
Berg, Hemip. Argent., p. 98, 1879, Div. *Lygaearia.*
Distant, Biol. Centr. Am., Heter., i, p. 173, 1882, Div. *Lygaearia.*
Reuter, Revue d'Ent., iv, p. 199, 1885, Div. *Lygaearia.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 2, 1903, Div. *Lygaearia.*
Oshanin, Verz. Palae. Hemip., i, p. 245, 1906, Div. *Lygaearia.*
Oshanin, Kat. Palae. Hemip., p. 27, 1912, Tribe *Lygaearia.*
Astacopinae Kirkaldy, Can. Ent., xxxix, p. 244, 1907.

Genus **Oncopeltus** Stål
Logotype *famelicus* (Fabr.)

Stål, Hemip. Fabr., i, pp. 70, 75, 1868.
Walker, Cat. Heter., v, p. 37, 1872.
Stål, Enum. Hemip., iv, pp. 98, 101, 1874.
Berg, Hemip. Argent., p. 98, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 174, 1882.
Distant, Fauna Br. Ind., Rhyn., ii, p. 4, 1903.

Subgenus **Oncopeltus** Stål

Stål, Enum. Hemip., iv, p. 101, 1874.

427. **Oncopeltus gutta** (H. S.)

Herrich-Schaeffer, Wanz. Ins., vii, p. 20, fig. 703, 1844, *Lygaeus.*
Dallas, List of Hemip., ii, p. 539, 1852, *Lygaeus.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 200, 1853, *Lygaeus.*
Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 75, 1868.
Walker, Cat. Heter., v, p. 42, 1872.
Stål, Enum. Hemip., iv, p. 101, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876 (*guttas*).
Distant, Biol. Centr. Am., Heter., i, p. 174, pl. 16, fig. 22, 1882.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 247, 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 273, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 15, 1907.
Localities: Ariz., Calif. (Neotropical.)

428. **Oncopeltus varicolor** (Fabr.)

Fabricius, Ent. Syst., iv, p. 149, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 219, 1803, *Lygaeus.*
Dallas, List of Hemip., ii, p. 538, 1852, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 70, 1868.
Stål, Enum. Hemip., iv, p. 102, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 174, pl. 16, fig. 21, 1882.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 189.
alternans (Herrich-Schaeffer), Wanz. Ins., vii, p. 20, fig. 704, 1844, *Lygaeus*
Herrich-Schaeffer, Wanz. Ins., ix, p. 200, 1850, *Lygaeus.*
Dallas, List of Hemip., ii, p. 539, 1852, *Lygaeus.*
Locality: Calif.

429. **Oncopeltus sanguinolentus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 6, 1914.
Locality: Calif.

Subgenus **Erythrischius** Stål
Logotype *fasciatus* (Dall.)

Stål, Enum. Hemip., iv, p. 102, 1874.

431. **Oncopeltus sandarachatus** (Say)

Say, Heter. N. Harm., p. 13, 1832; Fitch reprint, p. 772; Compl. Writ., i, p. [328, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 103, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Erythrischius.*
Distant, Biol. Centr. Am., Heter., i, p. 176, 1882.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 16, 1907.
†*unifasciatus* var. Herrich-Schaeffer, Wanz. Ins., viii, p. 105, fig. 876, 1848, [*Lygaeus.*
Localities: Calif. (Neotropical.)

432. **Oncopeltus fasciatus** (Dall.)

Dallas, List of Hemip., ii, p. 538, 1852, *Lygaeus* (n.n. for *aulicus* H. S.).
Guerin, Sagra, Hist. de Cuba, Ins., p. 394, 1857, *Lygaeus.*
Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862, *Lygaeus.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 125, 1868, *Lygaeus.*

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 405, 1872, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 103, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Erythrischius.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1326, *Lygaeus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 386, 1878, *Erythrischius.*
Distant, Biol. Centr. Am., Heter., i, p. 176, pl. 16, fig. 23, 1882.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 189.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 247, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 191, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 273, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 164, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 140, 1910.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 133, 1911 (egg).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 6, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
Essig, Inj. Ben. Ins., Calif., edn. 2, p. 206, 1915.
†*aulicus* (Herrich-Schaeffer), Wanz. Ins., vi, p. 76, fig. 646, 1842, *Lygaeus.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 196, 1853, *Lygaeus.*
Localities: Mass., N. J., Md., Pa., N. C., Fla., La., Ind., Wis., Texas, Ariz., Calif. (Neotropical.)

433. **Oncopeltus sex-maculatus** Stål

Stål, Enum. Hemip., iv, p. 102, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 174, pl. 17, fig. 1, 1882.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
†*gutta* (Glover), Illust. Ins., Ord. Hemip., p. 45, pl. 7, fig. 15, 1876, *Lygaeus.*
Localities: Fla. (Mexico, Centr. Am.)

Genus **Lygaeus** Fabr.
Logotype *equestris* (Linn.)

Fabricius, Ent. Syst., iv, p. 133, 1794. (Indicates *valgus* as typical).
Latreille, Precis, p. 84, 1796, (no species mentioned).
Lamarck, Syst. Anim. s. Verteb., p. 294, 1801 (as subgen. of *Cimex;* names [*equestris* Linn. type).
Latreille, Hist. Nat. Crust. Ins., iii, p. 243, 1802. (Names *Cimex apterus* [Linn. and *equestris* Linn. as examples.)
Walckenaer, Faune Paris., ii, p. 345, 1802, *Ligeus* (includes Coreids and [Lygaeids.)
Fabricius, Syst. Rhyng., p. 203, 1803 (indicates *tenebrosus* as type).
Latreille, Hist. Nat. Crust. Ins., xii, p. 210, 1804 (gives *equestris* as first [species).
Latreille, Genera Crust. Ins., iii, p. 121, 1807 (includes Coreids and Lygaeids).
Fallén, Monog. Cimic. Suec., p. 62, 1807 (I, Lygaeids; II, Capsids).
Latreille, Consid. Génl., pp. 255, 433, 1810 (names *apterus* as type).
Wolff, Icon. Cimic., v, p. viii, 1811 (after Fabricius).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 495, 1816 (*equestris* first species).
Latreille, Fam. Règ. Anim., p. 421, 1825.
LePelitier and Serville, Encyc. Méthod., x, p. 322, 1825 (mentions *Salda atra,* [*albipennis* and *grylloides* Fabr.)
Latreille, Cuvier, Règne Animal, edn. 2, v, p. 198, 1829 (first correctly re- [stricts genus).
Fallén, Hemip. Suec., Cimic., p. 47, 1829 (gives *equestris* as first species).

Schilling, Beitr. z. Ent., i, pp. 37, 58, 1829 (*equestris* first species).
Laporte, Essai Classif. Syst. Hémip., p. 33, 1832 (names *familiaris* pseudotype).
Herrich-Schaeffer, Nomen. Ent., i, pp. 36, 43, 1835 (for *equestris* and others).
Burmeister, Handb. d. Ent., ii, p. 297, 1835 (for *equestris* and others).
Brullé, Hist. des Ins., ix, p. 384, 1835 (names *militaris* type).
Latreille, Cuvier Anim. Kingd., Lond. Edn., iv, p. 163, 1836.
Spinola, Essai sur les Hémip., p. 258, 1837 (1840) (includes *equestris*).
Blanchard, Hist. des Ins., Hémip., p. 129, 1840 (includes *equestris*).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (names *equestris*
Guerin, Icon. Reg. Anim., p. 346, 1842. [as type).
Amyot and Serville, Hémip., p. 249, 1843 (for *equestris* and others).
Spinola, Tavola Sinot., p. 38, 1850.
Dallas, List of Hemip., ii, p. 533, 1852 (includes *equestris*).
Flor, Rhyn. Livl., i, p. 219, 1860 (for *familiaris* and *equestris*).
Fieber, Europ. Hemip., pp. 44, 164, 1861 (includes *equestris* and others).
Stål, Of. Vet. Akad. Forh., xix, pp. 210, 212, 1862 (describes *equestris*).
Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862.
Stål, Hemip. Afr., ii, p. 125, 1865 (includes *familiaris*).
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 123, 1868.
Stål, Hemip. Fabr., i, p. 71, 1868.
Thompson, Opusc. Ent., fasc. ii, p. 181, 1870 (*equestris* only species).
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 41, 1872.
Walker, Cat. Heter., v, pp. 37, 38, 1872.
Stål, Enum. Hemip., iv, p. 104, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 177, 1882.
Reuter, Revue d'Ent., iv, pp. 199, 201, 1885.
Provancher, Pet. Faune Ent. Can., iii, p. 69, 1886.
Reuter, Rev. Synon., p. 179, No. 115, note 4, 1888 (follows Laporte in fixing
Distant, Fauna Br. Ind., Rhyn., ii, p. 5, 1903. [*familiaris* as type.)
†*Eulygaeus* Berg, Nova Hemip., p. 68, 1892.
†*Stalagmostethus* Kirkaldy, Trans. N. Zeal. Inst., xli, p. 25, 1909.
§*Lygus* Smith, Cat. Ins. N. J., Edn. 3, p. 140, 1910.
†*Spilostethus* Bergroth, Rev. Zool. Afr., iii, p. 457, 1914.

Subgenus **Lygaeus** Fabr.
Logotype *equestris* (Linn.)

Van Duzee, Can. Ent., xlvi, p. 381, 1914.
Graptolomus Stål, Hemip. Fabr., i, pp. 73, 75, 1868.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 41, 1872.
Stål, Enum. Hemip., iv, p. 106, 1874.
Eulygaeus Reuter, Rev. Synon., p. 180, No. 116, 1888 (type *equestris*).

434. **Lygaeus turcicus** Fabr.

Fabricius, Syst. Rhyng., p. 218, 1803.
Dallas, List of Hemip., ii, p. 540, 1852.
Herrich-Schaeffer, Wanz. Ins., ix, p. 195, 1853.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 124, 1868.
Stål, Hemip. Fabr., i, p. 73, 1868.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 405, 1872.
Walker, Cat. Heter., v, p. 42, 1872.
Stål, Enum. Hemip., iv, p. 107, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 386, 1878.
Townsend, Ent. Am., iii, p. 53, 1887 (life history).
Montandon, Ann. Soc. Ent. Belg., xxxvii, p. 400, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 246, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 109, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 191, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Kirkaldy, Proc. Haw. Ent. Soc., i, p. 149, 1907, *Stalagmostethus*.
Parshley, Psyche, xxi, p. 146, 1914.
Bueno, Psyche, xxii, p. 16, 1915.

Localities: Me., Mass., Conn., N. Y., Pa., Va., Mich., Ill., Mo., Okl., Colo., N. Mex., Ariz.

435. **Lygaeus costalis** H. S.

Herrich–Schaeffer, Wanz. Ins., vii, p. 22, fig. 706, 1844; ix, p. 195, 1853.
Dallas, List of Hemip., ii, p. 541, 1852.
Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862.
Stål, Enum. Hemip., iv, p. 107, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1326.
Distant, Biol. Centr. Am., Heter., i, p. 178, 1882.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 246, 1894.
†*trux* Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.

Localities: Texas, Ariz., Calif.

436. **Lygaeus reclivatus** Say

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 321, 1825; Compl. Writ., ii, p. 245.
Dallas, List of Hemip., ii, p. 541, 1852.
Stål, Enum. Hemip., iv, p. 107, 1874.
Uhler, Wheeler's Surv. 100th Merid., v, p. 834, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876; iii, p. 408, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1326.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 505, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 386, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 178, 1882.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 246, 1894.
Gillette and Baker, Hemip. Colo., p. 27, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 273, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.
?*bipunctulus* Herrich–Schaeffer, Wanz. Ins., ix, p. 195, 1853.
Stål, Enum. Hemip., iv, p. 108, 1874.

a. var. **enotus** Say

Say, Heter. N. Harm., p. 14, 1832; Fitch reprint, p. 774; Compl. Writ., i, [p. 329.

Localities: Mo., Dak., Kan., Colo., N. Mex., Texas, Ariz., Nev., Calif., Ore., Wash.

437. **Lygaeus kalmii** Stål

Stål, Enum. Hemip., iv, p. 107, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 178, pl. 17, fig. 2, 1882.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Montandon, Ann. Soc. Ent. Belg., xxxvii, p. 399, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894.
Barber, Brookl. Inst. Sci. Bul., i, p. 273, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
†*turcicus* Prov., Pet. Faune Ent. Can., iii, p. 70, 1886.

l. var. **melanodermus** Montd.

Montandon, Ann. Soc. Ent. Belg., xxxvii, p. 400, 1893.

Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., N. C., Mich., Wis., Ill., Mo., Minn., Kan., Colo., Utah, Texas, Calif. (Mexico.)

438. **Lygaeus truculentus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862.
Stål, Enum. Hemip., iv, p. 108, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 302, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 179, pl. 17, fig. 4, 1882.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.

Localities: Calif. (Mexico.)

439. **Lygaeus formosus** Blanch.

Blanchard, Hist. des Ins., Hémip., p. 130, 1840.
d'Orbigny, Dict. u. Atl., Zool., ii, Hemip., pl. 4, fig. 1, 1849.
Stål, Enum. Hemip., iv, p. 108, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 180, 1882.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
elatus Stål, Stet. Ent. Zeit., xxiii, p. 308, 1862.

Localities: Fla. (Neotropical.)

Subgenus **Melanopleurus** Stål
Logotype *bicolor* H. S.

Stål, Enum. Hemip., iv, pp. 105, 109, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 180, 1882.

440. **Lygaeus belfragei** Stål

Stål, Enum. Hemip., iv, p. 109, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Melanopleurus*.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
†*bicolor* Snow, Trans. Kan. Acad. Sci., xx, pt. 1, pp. 152, 178, 1906; pt. 2, [p. 159, 1907.
?Bueno, Ent. News, xxiv, p. 22, 1913.

Localities: Texas, N. Mex., Ariz., Calif.

441. **Lygaeus bistriangularis** Say

Say, Heter. N. Harm., p. 14, 1832; Fitch reprint, p. 773; Compl. Writ., i, p. [329.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 405, 1872.
Stål, Enum. Hemip., iv, p. 109, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Melanopleurus*.

Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1326, *Melanopleurus.*
Distant, Biol. Centr. Am., Heter., i, p. 180, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 69, 1886.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 246, 1894.
Van Duzee, Can. Ent., xliv, p. 319, 1912.
vicinus Dallas, List of Hemip., ii, p. 549, 1852.

a. var. **marginellus** Dall.
Dallas, List of Hemip., ii, p. 548, 1852.
Stål, Enum. Hemip., iv, p. 109, 1874.
Localities: Texas, Colo., Ariz., Calif. (Neotropical.) (Quebec in error.)

442. **Lygaeus albulus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 380, pl. 34, fig. 2, 1893 (January).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 165, 1909.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. N. S. 113, p. 51, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
solida (Uhler), N. Am. Fauna, vii, p. 262, 1893 (May), *Lygaesoma.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Localities: Fla., Texas, Colo., Utah, Calif.

Subgenus **Craspeduchus** Stål
Logotype *xanthostaurus* H. S.

Stål, Enum. Hemip., iv, pp. 105, 109, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 181, 1882.

443. **Lygaeus uhleri** Stål

Stål, Enum. Hemip., iv, p. 109, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 181, pl. 16, fig. 12, 1882.
Barber, Brookl. Inst. Sci. Bul., i, p. 274, 1906.
Localities: Texas. (Neotropical.)

Subgenus **Ochrostomus** Stål
Logotype *pulchellus* Fabr.

Stål, Enum. Hemip., iv, pp. 105, 110, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 181, 1882.
†*Lygaeus* Stål, Hemip. Fabr., i, p. 71, 1868.

444. **Lygaeus pyrrhopterus** Stål

Stål, Enum. Hemip., iv, p. 110, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Ochrostomus.*
Distant, Biol. Centr. Am., Heter., i, p. 182, pl. 17, fig. 6, 1882.
Localities: Texas, Calif. (Mexico.)

445. **Lygaeus melanopleurus** Uhl.

Uhler, N. Am. Fauna, vii, p. 262, 1893.
Gillette and Baker, Hemip. Colo., p. 27, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 179, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Localities: Colo., Ariz., Calif.

446. **Lygaeus lineola** Dall.

Dallas, List of Hemip., ii, p. 549, 1852.
Stål, Enum. Hemip., iv, p. 110, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 152, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 164, 1909.
Bueno and Engelhardt, Can. Ent., xlii, p. 150, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
Localities: Va., Ga., Fla., Texas, N. Mex.

447. **Lygaeus tripligatus** Barber

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 510, 1914.
Locality: Fla.

448. **Lygaeus carnosulus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Locality: Calif.

Subgenus **Melanocoryphus** Stål
Logotype *apuans* Rossi = *albomaculatus* Goeze

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 41, 1872.
Stål, Enum. Hemip., iv, p. 111, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 185, 1882.
Reuter, Revue d'Ent., iv, p. 199, 1885.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 19, 1912.
Ochrimnus Stål, Enum. Hemip., iv, p. 113, 1874.

449. **Lygaeus pusio** (Stål)

Stål, Enum. Hemip., iv, p. 112, 1874, *Melanocoryphus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Melanocoryphus*.
Locality: Texas.

450. **Lygaeus obscuripennis** (Stål)

Stål, Enum. Hemip., iv, p. 112, 1874, *Melanocoryphus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 303, 1876, *Melanocoryphus*.
Locality: Texas.

451. **Lygaeus nigrinervis** (Stål)

Stål, Enum. Hemip., iv, p. 112, 1874, *Melanocoryphus*.
Distant, Biol. Centr. Am., Heter., i, p. 185, pl. 18, fig. 7, 1882.
Localities: Colo. (Neotropical.)

452. **Lygaeus bicrucis** Say

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 322, 1825; Compl. Writ., ii, p. 246, 1859.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 406, 1872.
Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus*.
Uhler, Wheeler's Surv. 100th Merid., v, p. 835, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876, *Melanocoryphus*.
Distant, Biol. Centr. Am., Heter., i, p. 185, pl. 16, figs. 14, 15, 1882.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 189, *Melanocoryphus*.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Melanocoryphus*.
Gillette and Baker, Hemip., Colo., p. 27, 1895.

Barber, Brookl. Inst. Sci. Bul., i, p. 274, 1906.
Smith, Cat. Ins. N. J., Edn. 3, p. 140, 1910, *Lygus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Van Duzee, Univ. Calif. Publ., Ent. Tech. Bul., i, p. 234, 1916.
flavo-marginellus Stål, Freg. Eng. Resa, Ins., p. 241, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 310, 1862.
rubescens Stål, Rio Jan. Hemip., i, p. 37, 1860.
bitransversus Signoret, Ann. Soc. Ent. Fr., Ser. 3, viii, p. 947, 1861.
Localities: N. J., Pa., Md., N. C., Ga., Fla., La., Mo., Kan., Colo., Texas, N. Mex., Ariz., Nev., Calif.

453. **Lygaeus facetus** Say

Say, Heter. N. Harm., p. 13, 1832; Fitch reprint, p. 773; Compl. Writ., i, p. 328.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 405, 1872.
Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus.*
Uhler, Wheeler's Surv. 100th Merid., v, p. 835, 1875. [*coryphus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876; iii, p. 408, 1877, *Melano-*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1326, *Melanocoryphus.*
Gillette and Baker, Hemip. Colo., p. 27, 1895, *Melanocoryphus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906; pt. 2, p. 159, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 164, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
Localities: N. J., Md., Ga., Fla., La., Colo., Texas, N. Mex., Ariz., Calif.

454. **Lygaeus(?) circumlitus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 309, 1862.
Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus.*
Distant, Biol. Centr. Am., Heter., i, p. 186, pl. 16, fig. 13, 1882.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Banks, Cat. Nearc. Hemip., p. 61, 1910.
§*circumcinctus* Gillette and Baker, Hemip. Colo., p. 27, 1895.
Localities: Colo.(?), Ariz.(?). (Neotropical.)
[Probably an erroneous determination of *lateralis* Dall.]

455. **Lygaeus rubriger** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 309, 1862.
Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus.*
Distant, Biol. Centr. Am., Heter., i, p. 187, pl. 17, fig. 12, 1882.
Locality: "Carolina" (Stål).

456. **Lygaeus lateralis** Dall.

Dallas, List of Hemip., ii, p. 550, 1852.
Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus.*
Distant, Biol. Centr. Am., Heter., i, p. 187, pl. 18, fig. 1, 1882.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Localities: Colo., Texas, Ariz., Calif.

457. **Lygaeus(?) rubicollis** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Melanocoryphus.*
§*rubricollis* Banks, Cat. Nearc. Hemip., p. 62, 1910.
Localities: "Calif." (Banks). (Lower Calif.)

458. **Lygaeus mimulus** (Stål)

Stål, Enum. Hemip., iv, p. 113, 1874, *Melanocoryphus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876, *Melanocoryphus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 164, 1909.
Barber, Brookl. Inst. Sci. Bul., i, p. 274, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 510, 1914.
Localities: Fla., Texas.

459. **Lygaeus admirabilis** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 405, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876, *Melanocoryphus.*
Gillette and Baker, Hemip. Colo., p. 27, 1895, *Melanocoryphus* and *Lygaeus*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904. [(entered twice).
Localities: Colo., N. Mex.

460. **Lygaeus californicus** Walk.

Walker, Cat. Heter., v, p. 42, 1872.
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 540, 1901.
Locality: Calif.

Genus **Lygaeosoma** Spin.
Haplotype *sardea* Spin.

Spinola, Essai sur les Hémip., p. 254, 1837 (1840).
Spinola, Tavola Sinot., p. 38, 1850.
Fieber, Europ. Hemip., pp. 45, 167, 1861.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 41, 42, 1872.
Walker, Cat. Heter., v, p. 37, 1872.
Stål, Enum. Hemip., iv, pp. 99, 118, 1874.
Reuter, Revue d'Ent., iv, pp. 200, 205, 1885.
Horvath, Ann. Mus. Natl. Hung., ix, p. 337, 1911.
Epibomius Distant, Ann. Mag. Nat. Hist., Ser. 8, iii, p. 328, 1909. (Hap-
Distant, Fauna Br. Ind., Rhyn., v, p. 35, 1910. [lotype *pusa* Dist.)

460½. **Lygaeosoma tripunctata** (Dall.)

Dallas, List of Hemip., ii, p. 559, 1852, *Aphanus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, viii, p. 464, 1901.
Banks, Cat. Nearc. Hemip., p. 68, 1910, *Rhyparochromus.*
Van Duzee, Check List Hemip., p. 22, No. 583, 1916, *Rhyparochromus?*
Locality: Fla.

[**Lygaeosoma adducta** Uhler MS]

Barber, Brookl. Inst. Sci. Bul., i, p. 274, 1906.
Locality: Texas.

TRIBE *ORSILLINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 43, 1872, Div. *Orsillaria.*
Stål, Enum. Hémip., iv, pp. 98, 119, 1874, Div. *Orsillaria.*
Distant, Biol. Centr. Am., Heter., i, p. 189, 1882, Div. *Orsillaria.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 17, 1903, Div. *Orsillaria.*
Oshanin, Verz. Palae. Hemip., i, p. 259, 1906, Div. *Orsillaria.*
Oshanin, Kat. Palae. Hemip., p. 28, 1912, Tribe *Orsillaria.*
Nysiina Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876 (as subfamily).
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 409, 1877, Subfam. *Nysiinae.*
Uhler, Check List, p. 13, 1886.

Genus **Ortholomus** Stål
Haplotype *punctipennis* (H. S.)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 43, 1872 (as subgenus).
Stål, Enum. Hemip., iv, p. 120, 1874 (as subgenus).
Baker, Invert. Pacifica, i, pp. 134, 138, 1906.
Oshanin, Kat. Palae. Hemip., p. 29, 1912 (as subgenus).
Orsillacis Uhler, Check List, p. 14, 1886 (as MS name).

461. **Ortholomus longiceps** (Stål)

Stål, Enum. Hemip., iv, p. 120, 1874, *Nysius.*
Baker, Invert. Pacifica, i, p. 139, 1906.
Van Duzee, Can. Ent., xl, p. 110, 1908; xliv, p. 319, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
†*scolopax* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876, *Orsillus.*
†*fraterculus* (Provancher), Pet. Faune Ent. Can., iii, p. 61, 1885, *Harmostes.*
¶*producta* Uhler, Check List, p. 14, 1886, *Orsillacis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894, *Orsillacis.*
†*providus* (Uhler), Proc. Zool. Soc. Lond. for 1894, p. 182, *Nysius* (in part).
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904, *Nysius.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 28, 1910, *Nysius.*
Smith, Cat. Ins. N. J., edn. 3, p. 141, 1910, *Nysius.*
†*jamaicensis* (Distant), Ann. Mag. Nat. Hist., Ser. 7, vii, p. 539, 1901,
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 16, 1907. [*Nysius.*
Bueno, Jl. N. Y. Ent. Soc., xvii, p. 229, 1908, *Nysius.*

a. var. **cooki** Bak.

Baker, Invert. Pacifica, i, p. 139, 1906.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., S. C., Fla., Wis., Ill., Mo., Neb., Kan., Texas, Calif.

462. **Ortholomus scolopax** (Say)

Say, Heter. N. Harm., p. 15, 1832; Fitch reprint, p. 775; Compl. Writ., i, p. [330, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 122, 1874, *Belanochilus?*
Uhler, Check List, p. 14, 1886, *Orsillus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 182, *Nysius.*
?Gillette and Baker, Hemip. Colo., p. 22, 1895, *Orsillus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, vii, p. 539, 1901, *Nysius.*
Banks, Cat. Nearc. Hemip., p. 63, 1910, *Orsillus.*
Localities: Ind., Ia., ? Colo., Calif.

463. **Ortholomus nevadensis** Bak.

Baker, Invert. Pacifica, i, p. 139, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Localities: Nevada, Calif.

464. **Ortholomus arphnoides** Bak.

Baker, Invert. Pacifica, i, p. 140, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Locality: Calif.

465. **Ortholomus uhleri** Bak.

Baker, Invert. Pacifica, i, p. 139, 1906.
Locality: Wis.

Genus **Nysius** Dall.
Logotype *thymi* (Wolff)

Dallas, List of Hemip., ii, pp. 531, 551, 1852.
Stål, Freg. Eug. Resa, Ins., p. 242, 1859.
Fieber, Europ. Hemip., pp. 45, 168, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 210, 212, 1862.
Thomson, Opusc. Ent., Fasc. ii, p. 182, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 43, 1872.
Stål, Enum. Hemip., iv, p. 119, 1874 (sec. cc and aa).
Distant, Biol. Centr. Am., Heter., i, p. 190, 1882.
Horvath, Revue d'Ent., ix, p. 185, 1890. (Key to European species.)
Baker, Invert. Pacifica, i, p. 134, 1906. [pseudotype.)
Distant, Fauna Br. Ind., Rhyn.. ii, p. 17, 1903. (Names *zelandicus* Dall.
Horvath, Ann. Mus. Natl. Hung., vii, p. 11, 1910.
Oshanin, Kat. Palae. Hemip., p. 28, 1912. (Names *thymi* type.)
†*Heterogaster* Spinola, Tavola Sinot., p. 38, 1850.
†*Artheneis* Flor, Rhyn. Livl., i, p. 287, 1860 (as subgen. of *Cymus*).
Kirkaldy, Can. Ent., xli, p. 31, 1909. (Names *cymoides pseudotype.*)
Macroparius Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 43, 1872 (as sub- [genus.)

466. **Nysius californicus** Stål

Stål, Freg. Eug. Resa, Ins., p. 242, 1859.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 406, 1872.
Stål, Enum. Hemip., iv, p. 120, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876; iii, p. 409, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1326.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 238, 1894.
Baker, Invert. Pacifica, i, pp. 134, 135, 1906.
Barber, Brookl. Inst. Sci. Bul., i, p. 274, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 165, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Van Duzee, Univ. Calif. Publ., Ent. Tech. Bul., i, p. 234, 1916.
†*providus* Baker, Invert. Pacifica, i, p. 135, 1906 (as variety).

a. var. **alabamensis** Bak.
Baker, Invert. Pacifica, i, p. 135, 1906.
Localities: Md., N. C., S. C., Ga., Fla., Ala., Miss., Kan., Colo., Dak., Utah, Texas, N. Mex., Ariz., Nevada, Calif., Oregon, Wash. (Mexico.)

467. **Nysius inaequalis** Uhl.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 183.
?Baker, Invert. Pacifica, i, p. 139, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Localities: Fla. (West Indies.)

468. **Nysius thymi** (Wolff)
Wolff, Icon. Cimic., iv, p. 149, fig. 143, 1804, *Lygaeus.*
Fallén, Monog. Cimic., p. 63, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 469, 1828, *Lygaeus.*

Fallén, Hemip. Suec., Cimic., p. 49, 1829, *Lygaeus.*
Schilling, Beitr. z. Ent., i, p. 85, pl. 3, fig. 9, 1829, *Heterogaster.*
Herrich–Schaeffer, Nomen. Ent., p. 46, 1835, *Heterogaster.*
Curtis, Br. Ent., xiii, pl. 597, 1836, *Heterogaster.*
Zetterstedt, Ins. Lapp., Column 262, 1838 (1840), *Lygaeus.*
Dallas, List of Hemip., ii, p. 552, 1852.
Stål, Stet. Ent. Zeit., xix, p. 179, 1858.
Fieber, Europ. Hemip., p. 169, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 213, 1862.
Douglas and Scott, Br. Hemip., p. 226, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 43, 1872.
Horvath, Monog. Lygaeidae, p. 22, 1875.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 395, 1878.
Mulsant and Rey, Punaise de Fr., v, p. 48, 1879.
Reuter, Revue Synon., p. 186, No. 124, 1888.
Horvath, Revue d'Ent., ix, pp. 186, 188, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Gillette and Baker, Hemip. Colo., p. 22, 1895.
Horvath, Ann. Mus. Natl. Hung., vi, p. 558, 1908.
Van Duzee, Can. Ent., xl, p. 110, 1908.
†*ericae* (Flor), Rhyn. Livl., i, p. 292, 1860, *Cymus.*
†*punctipennis* Thomson, Opusc. Ent., ii, p. 182, 1870.
†*maculatus* Douglas and Scott, Ent. Mo. Mag., viii, p. 27, 1870.
saint Cyri Provancher, Nat. Can., iv, p. 77, 1872.
†*groenlandicus* Provancher, Pet. Faune Ent. Can., iii, p. 70, 1886.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
†*angustatus* Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Localities: Quebec, Ont., Me., Mass., N. Y., Md.(?), Colo., Manitoba, Br. Col., Alaska.

469. **Nysius groenlandicus** (Zett.)

Zetterstedt, Ins. Lapp., column 262, 1838 (1840), *Lygaeus.*
Stål, Enum. Hemip., iv, p. 121, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876.
Horvath, Revue d'Ent., ix, p. 186, 1890.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 505, 1900.
Horvath, Ann. Mus. Natl. Hung., viii, p. 14, 1910.
Localities: Greenland, Labrador, Hudson's Bay Terr., Br. Am., Alaska. (Iceland.)

470. **Nysius ericae** (Schill.)

Schilling, Beitr. z. Ent., i, p. 86, pl. 7, fig. 10, 1829, *Heterogaster.*
Herrich–Schaeffer, Nomen. Ent., i, p. 46, 1835, *Heterogaster.*
Horvath, Revue d'Ent., ix, p. 186, 1890.
Oshanin, Verz. Palae. Hemip., i, p. 262, 1906.
Horvath, Ann. Mus. Natl. Hung., vi, p. 558, 1908.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 78, 1910.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Essig, Inj. Ben. Ins Calif., Edn. 2, p. 207, 1915.
angustatus Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 406, 1872.
Uhler, Wheeler's Surv. 100th Merid., v, p. 835, 1875.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 304, 1876; iii, p. 409, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1326.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 505, 1878.
Reuter, Berl. Ent. Zeit., xxix, p. 43, 1885.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2. iv, p. 238, 1894.
Gillette and Baker, Hemip. Colo., p. 21, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Baker, Invert. Pacifica, i, p. 135, 1906.
maculatus Fieber, Europ. Hemip., p. 168, 1861.
albidus Jakowlef, Horae Soc. Ent. Ross., iv, p. 152, 1867.
gracilis Scott, Stet. Ent. Zeit., xxxi, p. 98, 1870.
¶*raphanus* Howard, Phillips Southern Planter for 1872.
Kirkaldy, Entomol., p. 165, 1902.
destructor Riley, 5th Rept. Ins. Mo., p. 113, 1873.

a. var. **minutus** Uhler
Uhler, Hemip. Colo., p. 22, 1895.
Baker, Invert. Pacifica, i, p. 136, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Essig, Inj. Ben. Ins. Calif., Edn. 2, p. 207, 1915.

b. var. **niger** Bak.
Baker, Invert. Pacifica, i, p. 135, 1906.
Localities: Ont., Me., N. H., Mass., N. Y., N. J., Pa., Ohio, Dak., Kan., Colo., Texas, Nev., Calif., Wash.

471. **Nysius coloradensis** Bak.

Baker, Invert. Pacifica, i, pp. 135, 136, 1906.

a. var. **grandis** Bak.
Baker, Invert. Pacifica, i, p. 136, 1906.
Locality: Colo.

472. **Nysius strigosus** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 238, 1894.
Horvath, Ann. Mus. Natl. Hung., vi, p. 558, 1908.
Van Duzee, Trans. San Diego. Soc. Nat. Hist., ii, p. 8, 1914.
†*senecionis* Baker, Invert. Pacifica, i, pp. 135, 136, 1906.
Localities: Colo., N. Mex., Ariz., Nev., Calif., Oregon.

Genus **Belonochilus** Uhl.
Haplotype *numenius* Say

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 104, 1871.
Stål, Enum. Hemip., iv, p. 122, 1874.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 393, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 386, 1893.

473. **Belonochilus numenius** (Say)

Say, Heter. N. Harm., p. 15, 1832; Fitch reprint, p. 775; Compl. Writ., i, [p. 331, *Lygaeus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 104, 1871.
Stål, Enum. Hemip., iv, p. 122, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 394, 1878.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Heidemann, Proc. Ent. Soc. Wash., v, p. 11, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 166, 1909.
Smith, Cat. Ins. N. J., Edn., 3, p. 141, 1910.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 133, 1911 (egg).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 7, 1914.
Localities: N. Y., N. J., Pa., Md., D. C., Ohio, Ill., Ariz., Calif.

474. **Belonochilus koreshanus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 165, 1909.
Van Duzee, Can. Ent., xli, p. 372, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Locality: Fla.

Genus **Orsillacis** Barb.
Haplotype *producta* Barb.

Barber, Jl. N. Y. Ent. Soc., xxii, p. 169, 1914.

475. **Orsillacis producta** Barb.

Barber, Jl. N. Y. Ent. Soc., xxii, p. 169, 1914.
[Not *Orsillacis producta* of Uhler, Check List., p. 14, 1886.]
Locality: Ariz.

Subfamily CYMINAE Stål

Stål, Of. Vet. Akad. Forh., xix, p. 211, 1862, *Cymida.*
Stål, Hemip. Afr., ii, pp. 121, 149, 1865, *Cymida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 37, 1872, *Cymina.*
Stål, Enum. Hemip., iv, p. 123, 1874, *Cymina.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 409, 1877, *Cyminae.*
Berg, Hemip. Argent., p. 106, 1879, *Cymina.*
Distant, Biol. Cent. Am., Heter., i, p. 190, 1882, *Cyminae.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 22, 1886, Tribe *Cymini.*
Uhler, Check List, p. 14, 1886, *Cymina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 158, 1894, *Cymidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 19, 1903.
Oshanin, Verz. Palae. Hemip., i, p. 266, 1906, *Cymina.*
Banks, Cat. Nearc. Hemip., p. 58, 1910, *Cymini.*
Oshanin, Kat. Palae. Hemip., p. 29, 1912, *Cyminae.*

TRIBE *ISCHNORRHYNCHINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, p. 44, 1872, Div. *Ischnorrhyncharia.*
Stål, Enum. Hemip., iv, p. 123, 1874, Div. *Ischnorrhyncharia.*
Distant, Biol. Centr. Am., Heter., i, p. 191, 1882, Div. *Ischnorrhyncharia.*
Oshanin, Kat. Palae. Hemip., p. 29, 1912, Tribe *Ischnorrhyncharia.*

Genus **Ischnorrhynchus** Fieb.
Logotype *didymus* Zett. = *resedae* Panz.

Fieber, Europ. Hemip., pp. 51, 199, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862.
Thomson, Opusc. Ent., Fasc. ii, p. 183, 1870.

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 44, 1872.
Stål, Enum. Hemip., iv, pp. 123, 124, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 192, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 74, 1886.
†*Cymus* Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840. (Gives [*Kleidocerus* Westw., a nom. nud., as a synonym.)
Blanchard, Hist. des Ins., Hémip., p. 131, 1840 (follows Westwood).
†¶*Kleydocerus* (Westw., 1841), Sign. Ann. Soc. Ent. Fr., Ser. 6, v, p. 67, [1885 (nom. nud.).
‖*Lyctus* Flor, Rhyn. Livl., i, pp. 287, 294, 1860 (as subgen. of *Cymus*).

476. **Ischnorrhynchus resedae** (Panz.)

Panzer, Fauna Germ., xl, fig. 20, 1797, *Lygaeus*.
Schilling, Beitr. z. Ent., p. 89, pl. 8, fig. 5, 1829, *Heterogaster*.
Herrich-Schaeffer, Nomen. Ent., i, p. 46, 1835, *Heterogaster*.
Burmeister, Handb. d. Ent., ii, p. 292, 1835, *Cymus*.
Brullé, Hist. des Ins., ix, p. 386, 1835, *Lygaeus*.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840, *Cymus*.
Blanchard, Hist. des Ins., Hémip., p. 131, 1840, *Cymus*.
Costa, Cimic. Reg. Neap., Cent., ii, p. 31, 1843, *Cymus*.
Kolenati, Melet. Ent., ii, p. 92, 1845, *Cymus*.
Dallas, List of Hemip., ii, p. 586, 1852, *Cymus*.
Herrich-Schaeffer, Wanz. Ins., Verz., p. 78, 1853, *Cymus*.
Flor, Rhyn. Livl., i, p. 296, 1860, *Cymus*.
Stål, Of. Vet. Akad. Forh., xix, p. 213, 1862.
Douglas and Scott, Br. Hemip., p. 233, 1865.
Douglas and Scott, Ent. Mo. Mag., ii, p. 217, 1866.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 394, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 193, 1882.
Reuter, Revue Synon., p. 187, No. 125, 1888.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 560, 1908.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 229, 1908.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.
didymus (Zetterstedt), Vet. Akad. Handl. for 1819, p. 71, *Lygaeus*.
Fallén, Hemip. Suec., Cimic., p. 50, 1829, *Lygaeus*.
Fieber, Europ. Hemip., p. 199, 1861.
Stål, Enum. Hemip., iv, p. 124, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876; iii, p. 409, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1326.
Provancher, Pet. Faune Ent. Can., iii, p. 74, 1886.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Gillette and Baker, Hemip. Colo., p. 22, 1895.
puncticollis (Fallén), Hemip. Suec. Cimic., p. 95, 1829, *Phytocoris*.
†*geminatus* Bueno, Jl. N. Y. Ent. Soc., xviii, p. 28, 1910.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Md., D. C., Ga., Mich., Ill., Kan., Colo., Utah, Texas, Calif., Wash., Manitoba. (Palaearctic.)

477. **Ischnorrhynchus geminatus** (Say)

Say, Heter. N. Harm., p. 14, 1832; Fitch reprint, p. 774; Compl. Writ., i, p.
Horvath, Ann. Mus. Natl. Hung., vi, p. 560, 1908. [330, *Lygaeus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
†*resedae* (Uhler), Proc. Ent. Soc. Phila., i, p. 23, 1861, *Cymus.*
Localities: Quebec, Mass., N. Y., D. C., Fla., Ind., Mo.

478. **Ischnorrhynchus franciscanus** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 252, 1859, *Cymus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Locality: Calif.

479. **Ischnorrhynchus salvini** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 194, pl. 19, fig. 2, 1882.
Banks, Cat. Nearc. Hemip., p. 59, 1910.
Localities: Texas. (Guatemala.)

480. **Ischnorrhynchus championi** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 193, pl. 19, fig. 3, 1882.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 184.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 16, 1907.
Banks, Cat. Nearc. Hemip., p. 59, 1910.
Localities: Texas, Calif. (Neotropical.)

Genus **Cymoninus** Bredd.
Haplotype *subunicolor* Bredd.

Breddin, Deut. Ent. Zeit., –, p. 38, 1907.
†*Ninus* Distant, Biol. Centr. Am., Heter., i, p. 191, 1882.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 19, 1903.
Van Duzee, Check List Hemip., p. 19, 1916.

481. **Cymoninus notabilis** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 191, pl. 19, fig. 4, 1882, *Ninus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 184, *Ninus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 16, 1907; ix, p. 166, 1909,
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914, *Ninus.* [*Ninus.*
Localities: Fla. (Neotropical.)

TRIBE *CYMINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 44, 1872, Div. *Cymaria.*
Stål, Enum. Hemip., iv, pp. 123, 125, 1874, Div. *Cymaria.*
Distant, Biol. Cent. Am., Heter., i, p. 390, 1893, Div. *Cymaria.*
Oshanin, Kat. Palae. Hemip., p. 29, 1912, Tribe *Cymaria.*

Genus **Arphnus** Stål
Haplotype *coriacipennis* Stål

Stål, Enum. Hemip., iv, pp. 125, 126, 1876.

482. **Arphnus coriacipennis** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 247, 1859, *Oxycarenus.*
Stål, Enum. Hemip., iv, p. 126, 1874.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Localities: Idaho, Utah, Calif.

Genus **Cymus** Hahn.
Logotype *claviculus* Fall.

Hahn, Wanz. Ins., i, p. 76, 1831.
Burmeister, Handb. d. Ent., ii, p. 292, 1835 (part).
Brullé, Hist. Nat. des Ins., ix, p. 386, 1835.
Spinola, Essai sur les Hémip., p. 258, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 131, 1840.
Amyot and Serville, Hémip., p. 259, 1843.
Spinola, Tavola Sinot., p. 38, 1850.
Dallas, List of Hemip., ii, p. 586, 1851 (part).
Flor, Rhyn. Livl., i, p. 297, 1860 (as subgenus).
Fieber, Europ. Hemip., pp. 52, 203, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 223, 1862.
Thomson, Opusc. Ent., Fasc. ii, p. 183, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 44, 1872.
Stål, Enum. Hemip., iv, pp. 125, 126, 1874.
Provancher, Pet. Faune Ent. Can., iii, p. 72, 1886.
Distant, Biol. Centr. Am., Heter., i, p. 390, 1893.
Oshanin, Kat. Palae. Hemip., p. 29, 1912. (Names *claviculus* type.)
[*Kleidocerys* Westw., MS] Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840. [(Synonym).

483. **Cymus luridus** Stål

Stål, Enum. Hemip., iv, p. 126, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 409, 1877.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Bueno *in* Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Cymus sp., Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Localities: Ont., Me., Mass., N. Y., N. J., Pa., Colo., Calif.

484. **Cymus angustatus** Stål

Stål, Enum. Hemip., iv, p. 126, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876.
Van Duzee, Psyche, v, p. 27, 1888.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
†*tabida* Bueno, Jl. N. Y. Ent. Soc., xvi, p. 229, 1908, *Cymodema.*
Localities: Ont., Me., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Kan., Colo., Texas.

485. **Cymus discors** Horv.

Horvath, Ann. Mus. Natl. Hung., vi, p. 559, 1908.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 28, 1910.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Van Duzee, Can. Ent., xliv, p. 319, 1912.
†*claviculus* Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 395, 1878 (spelled [*clavulus.*)
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Van Duzee, Can. Ent., xl, p. 110, 1908.
†*tabidus* Provancher, Pet. Faune Ent. Can., iii, p. 72, 1886.
†*luridus* Bueno, Jl. N. Y. Ent. Soc., xvi, p. 229, 1908.
Localities: Quebec, Ont., Me., N. H., Vt., N. Y., N. J., Pa.

486. **Cymus bellus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 167, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Locality: Fla.

487. **Cymus breviceps** Stål

Stål, Enum. Hemip., iv, p. 127, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 166, 1909.
Van Duzee, Can. Ent., xli, p. 372, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 141, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
†*tabida* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876, *Cymodema.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893, *Cymodema.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894, *Cymodema.*
?Gillette and Baker, Hemip. Colo., p, 23. 1895.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 229, 1908, *Cymodema.*
exiguum (Horvath), Ann. Mus. Natl. Hung., vi, p. 559, 1908, *Cymodema.*
Bueno *in* Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910, *Cymodema.*
Localities: N. J., Md., D. C., N. C., Fla., Colo., Utah., Calif. (Mexico.)

488. **Cymus guatemalanus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 390, pl. 34, fig. 19, 1893.
Localities: Ariz. (Guatemala.)

Subfamily BLISSINAE (Stål)

Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862, *Blissida.*
Stål, Hemip. Afr., ii, pp. 120, 121, 1865, *Blissida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 37, 44, 1872, *Blissina.*
Stål, Enum. Hemip., iv, p. 129, 1874, *Blissina.*
Berg, Hemip. Argent., p. 103, 1879, *Blissina.*
Distant, Biol. Centr. Am., Heter., i, p. 195, 1882, *Blissinae.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 22, 1886, Tribe *Blissini.*
Uhler, Check List., p. 14, 1886, *Blissina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 162, 1894, *Blissidae.*

Distant, Fauna Br. Ind., Rhyn., ii, p. 21, 1902, *Blissinae.*
Oshanin, Verz. Palae. Hemip., i, p. 270, 1906, *Blissina.*
Banks, Cat. Nearc. Hemip., p. 58, 1910, *Blissini.*
Oshanin, Kat. Palae. Hemip., p. 29, 1912, *Blissinae.*

Genus **Ischnodemus** Fieb.
Type *sabuleti* Fall.

Fieber, Weit. Beit. z. Nat. u. Heilk., i, p. 337, 1836.
Fieber, Europ. Hemip., pp. 44, 163, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862.
Thomson, Opusc. Ent., Fasc. ii, p. 182, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 44, 1872.
Walker, Cat. Heter., v, p. 126, 1872.
Stål, Enum. Hemip., iv, pp. 129, 130, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 195, 1882.
Reuter, Revue d'Ent., iv, p. 207, 1885.
Berg, Ann. Mus. Natl. Buen. Aires, vii, p. 87, 1900.
Distant, Fauna Br. Ind., Rhyn., ii, p. 27, 1902.
Van Duzee, Can. Ent., xli, p. 374, 1909. (Key.)
Horvath, Ann. Mus. Natl. Hung., x, p. 608, 1912.
Micropus Spinola, Essai sur les Hémip., p. 218, 1837 (1840) (haplotype
Dallas, List of Hemip., ii, p. 582, 1852. [*genei* Spin.)
Signoret, Ann. Soc. Ent. Fr., Ser. 3, v, p. 24, 1857 (monograph).
†*Blissus* Stål, Hemip. Afr., ii, p. 122, 1865 (section *a* only).
Thops Gistel, Naturges. d. Thierr., p. x, 1848.
Kirkaldy, Entomol., xxxix, p. 248, 1906.
Romicpus Reed, Rev. Chil. Hist. Nat., iv, p. 121, 1900.

489. **Ischnodemus falicus** (Say)

Say, Heter. N. Harm., p. 15, 1832; Fitch reprint, p. 776; Compl. Writ., i, p. [331, *Lygaeus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, v, p. 27, pl. 2, fig. 5, 1857, *Micropus.*
Stål, Enum. Hemip., iv, p. 131, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 305, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Van Duzee, Can. Ent., xli, p. 374, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910.
punctatus Provancher, Nat. Can., iv, p. 76, 1872, *Rhyparochromus.*
Localities: N. Y., N. J., Pa., Md., Wis., Dak., Kan.(?), La.(?), Texas.

490. **Ischnodemus rufipes** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 167, 1909.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Localities: Fla.

491. **Ischnodemus praecultus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 196, pl. 19, fig. 7, 1882.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Localities: Ariz. (Centr. Am.)

492. **Ischnodemus lobatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 169, 1909.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Locality: Fla.

493. **Ischnodemus slossoni** Van D.

Van Duzee, Ent. News, xx, p. 233, 1909.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Localities: N. C., Fla.

494. **Ischnodemus conicus** Van D.

Van Duzee, Ent. News, xx, p. 234, 1909.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Localities: Texas.

495. **Ischnodemus badius** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 168, 1909.
Van Duzee, Can. Ent., xli, p. 375, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
Locality: Fla.

Genus **Blissus** Burm.
Haplotype *hirtulus* Burm.

Klug, Symb. Phys. Dec. v, pl. 43, fig. 10, 1830 (apparently a nomen nudum).
Burmeister, Handb. d. Ent., ii, p. 290, 1835 (auct. Klug).
Dallas, List of Hemip., ii, p. 583, 1852 (auct. Klug).
Stål, Hemip. Afr., ii, p. 122, 1865 (auct. Klug and Burm.).
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 45, 1872 (auct. Klug).
Stål, Enum. Hemip., iv, pp. 130 (auct. Klug), 132 (auct. Burm.), 1874.
Distant, Biol. Centr. Am., Heter., i, p. 196, 1882 (auct. Burm.).
Provancher, Pet. Faune Ent. Can., iii, p. 76, 1886 (auct. Burm.).
Kirkaldy, Entomol., xxxiv, p. 176, 1901 (auct. Klug).
Distant, Fauna Br. Ind., Rhyn., ii, p. 28, 1903.
Horvath, Ann. Mus. Natl. Hung., ix, p. 337, 1911 (auct. Burm.).

496. **Blissus leucopterus** (Say)

Say, Heter. N. Harm., p. 14, 1832; Fitch reprint, p. 774; Compl. Writ., i, p. [329, *Lygaeus.*
Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv (for 1855), p. 509, 1856, [*Micropus.*
Signoret, Ann. Soc. Ent. Fr., Ser. 3, v, p. 31, pl. 2, fig. 11, 1857, *Micropus.*
Riley, 2d Rept. Nox. Ins. Mo., p. 15, 1870, *Micropus.*
Walker, Cat. Heter., v, p. 127, 1872, *Ischnodemus.*
Stål, Enum. Hemip., iv, p. 133, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 306, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 392, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 196, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 76, 1886.
Van Duzee, Can. Ent., xviii, p. 209, 1886; xxi, p. 3, 1889.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 185.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 173, 1894.
Webster, U. S. Dept. Agr., Bur. Ent., Bul. 69, 1907.
Morrill, U. S. Dept. Agr., Bur. Ent., Circ. 113, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 17, 1907; ix, p. 169, 1909.
Kelly and Parks, U. S. Dept. Agr., Bur. Ent., Bul. 95, pt. 3, 1911.
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910.
Headlee and McColloch, Kans. Agr. Exp. Sta., Bul. 191, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
McCulloch, Ent. News, xxvi, p. 147, 1915 (egg parasite).
Webster, U. S. Dept. Agr., Farmers' Bul. 657, 1915.
Essig, Inj. Ben. Ins. Calif., Edn. 2, p. 208, 1915.

immarginatus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 522, 1856 [(as var.).

dimidiatus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

fulvivenosus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

albivenosus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

apterus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 (as var.).

basalis Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 (as var.).

nigricornis Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

femoratus Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

rufipedis Fitch, 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 523, 1856 [(as var.).

Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., Va., N. C., Fla., Ohio, Ind., Mich., Ill., Wis., Mo., Neb., Kan., Minn., Colo., Texas, Calif.

497. **Blissus hirtus** Montd.

Montandon, Ann. Soc. Ent. Belg., xxxvii, p. 405, 1893.
Parshley, Psyche, xxi, p. 145, 1914.
Localities: Me., Pa.

Subfamily Geocorinae (Stål)

Stål, Of. Vet. Akad. Forh., xix, p. 212, 1862, *Geocorida.*
Stål, Hemip. Afr., ii, pp. 121, 142, 1865, *Geocorida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 38, 45, 1872, *Geocorina.*
Stål, Enum. Hemip., iv, p. 133, 1874, *Geocorina.*
Berg, Hemip. Argent., p. 105, 1879, *Geocorina.*
Distant, Biol. Centr. Am., Heter., i, p. 197, 1882, *Geocorinae.*
Puton, Cat. Hémip. Palae., Edn. 3, p. 22, 1886, Tribe *Geocorini.*
Uhler, Check List, p. 14, 1886, *Geocorina.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 29, 1903, *Geocorinae.*
Oshanin, Verz. Palae. Hemip., i, p. 276, 1906, *Geocorina.*
Banks, Cat. Nearc., Hemip., p. 68, 1910, *Geocorini.*
Oshanin, Kat. Palae. Hemip., p. 30, 1912, *Geocorinae.*

Genus **Geocoris** Fall.
Logotype *grylloides* Linn.

Fallén, Spec. Nov. Hemip. Disp., p. 10, 1814.
Fallén, Hemip. Suec., Cimic., p. 69, 1829.
Herrich-Schaeffer, Nomen. Ent., pp. 36, 47, 1835.
Stål, Of. Vet. Akad. Forh., xix, p. 224, 1862.
Stål, Hemip. Afr., ii, p. 143, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 46, 1872.
Stål, Enum. Hemip., iv, p. 134, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 197, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 85, 1886.
Distant, Fauna Br. Ind., Rhyn., ii, p. 29, 1903. (Names *megacephalus* pseudo-
Oshanin, Kat. Palae. Hemip., p. 30, 1912. (Names *grylloides* type.) [type.)
McAtee, Proc. Biol. Soc. Wash., xxvii, p. 127, 1914.
†*Salda* Latreille, Fam. Nat. Règ. Anim., p. 422, 1825.
Latreille *in* Cuvier, Règ. Anim., Edn. 2, v, p. 198, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 35, 1832.
Brullé, Hist. des Ins., ix, p. 386, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 163, 1836.
Spinola, Essai sur les Hémip., p. 227, 1837 (1840).
Guerin, Icon. Règn. Anim., p. 347, 1842.
Spinola, Tavola Sinot., p. 38, 1850.
Ophthalmicus Schilling, Beit. z. Ent., i, p. 62, 1829.
Hahn, Wanz. Ins., i, p. 85, 1831.
Burmeister, Handb. d. Ent., ii, p. 291, 1835.
Herrich-Schaeffer, Wanz. Ins., iv, p. 21, 1839.
Blanchard, Hist. des Ins., Hémip., p. 234, 1840.
Amyot and Serville, Hémip., p. 260, 1843.
Fieber, Ent. Monog., p. 112, 1844.
Dallas, List of Hemip., ii, p. 583, 1852.
Flor, Rhyn. Livl., i, p. 304, 1860.
Fieber, Europ. Hemip., pp. 46, 174, 1861.

498. **Geocoris punctipes** (Say)

Say, Heter. N. Harm., p. 19, 1832; Fitch reprint, p. 781; Compl. Writ., i, p.
Stål, Enum. Hemip., iv, p. 135, 1874. [336, *Salda*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 306, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 198, pl. 18, fig. 14, 1882.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 224, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 169, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910.
Van Duzee, Trans. San Diego. Soc. Nat. Hist., ii, p. 8, 1914.
McAtee, Proc. Biol. Soc. Wash, xvii, p. 130, 1914.
luniger (Fieber), Wien. Ent. Monat., v, p. 269, 1861, *Ophthalmicus*.
†*pictipes* Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 222, 1908 (error for [*punctipes*.)

Localities: N. J., Md., D. C., S. C., Fla., Ala., La., Colo., Okl., Texas, Ariz., Calif. (Mexico.)

a. var. **paulus** McAtee.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 130, 1914.
Locality: Calif.

499. **Geocoris bullatus** (Say)

Say, Heter. N. Harm., p. 18, 1832; Fitch reprint, p. 780; Compl. Writ., i, [p. 336, *Salda.*
Stål, Enum. Hemip., iv, p. 136, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 306, 1876; iii, p. 409, 1877.
Uhler, Wheeler's Rept. Chief Eng., for 1877, p. 1327.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 505, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 393, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 85, 1886.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 218, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 169, 1909.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 131, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.

griseus (Dallas), List of Hemip., ii, p. 585, 1852, *Ophthalmicus.*
Stål, Enum. Hemip., iv, p. 137, 1874.
Gillette and Baker, Hemip. Colo., p. 23, 1895.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 220, 1908.

a. var. **borealis** (Dall.)

Dallas, List of Hemip., ii, p. 385, 1852, *Ophthalmicus.*
Stål, Enum. Hemip., iv, p. 137, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 199, pl. 18, fig. 17, 1882.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Gillette and Baker, Hemip. Colo., p. 23, 1895.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 132, 1914.

b. var. **obscuratus** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 220, 1908.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 132, 1914.

c. var. **discopterus** Stål

Stål, Enum. Hemip., iv, p. 136, 1874.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 131, 1914.

Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Md., Ala., Fla., Ill., Colo., Manitoba, Dak., Utah, Calif.

500. **Geocoris pallens** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 236, 1854.
Stål, Freg. Eug. Resa, Ins., p. 250, 1859.
Stål, Enum. Hemip., iv, p. 136, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 306, 1876.
Wheeler's Rept. Chief Eng. for 1877, p. 1326.
?Gillette and Baker, Hemip. Colo., p. 23, 1895 (and as *Ninyas pallens* on p. 23).
McAtee, Proc. Biol. Soc. Wash., xvii, p. 133, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.

a. var. **decoratus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 410, 1877.
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Gillette and Baker, Hemip. Colo., p. 23, 1895.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 221, 1908.
Van Duzee, Univ. Calif. Publ., Ent. Tech. Bul., i, p. 234, 1916.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 133, 1914.

†*howardi* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.

b. var. **solutus** Montd.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 223, 1908.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 133, 1914.
Localities: Kan., Colo., Utah, N. Mex., Texas, Ariz., Calif.

501. **Geocoris scudderi** Stål

Stål, Enum. Hemip., iv, p. 135, 1874.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 134, 1914.
Locality: Texas.

502. **Geocoris uliginosus** (Say)

Say, Heter. N. Harm., p. 19, 1832; Fitch reprint, p. 781; Compl. Writ., i, p. [337, *Salda.*
Stål, Enum. Hemip., iv, p. 136, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876; iii, p. 410, 1877.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 226, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 170, 1909.
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 135, 1914.
†*niger* (Dallas), List of Hemip., ii, p. 586, 1852, *Ophthalmicus.*
fuliginosus Gillette and Baker, Hemip. Colo., p. 23, 1895.
†*ater* Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908.

a. var. **howardi** Montd.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 229, 1908.

b. var. **speculator** Montd.
Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 227, 1908.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 135, 1914.

c. var. **lateralis** (Fieb.)
Fieber, Wien. Ent. Monats., v, p. 271, 1861, *Ophthalmicus.*
McAtee, Proc. Biol. Soc. Wash., xvii, p. 135, 1914.

d. var. **limbatus** Stål
Stål, Enum. Hemip., iv, p. 136, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876.
Gillette and Baker, Hemip. Colo., p. 23, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 192, 1904.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 136, 1914.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., D. C., S. C., Ga., Fla., Miss., Ohio, Mich., Ill., Mo., Dak., Manitoba, Kan., Colo., Texas, Wash., Br. Col.

503. **Geocoris duzeei** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 231, 1908.
Locality: Colo.

504. **Geocoris atricolor** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xvi, p. 228, 1908.
McAtee, Proc. Biol. Soc. Wash., xvi, p. 228, 1908.
Localities: Wyom., Colo., Utah, Texas, Calif.

505. **Geocoris carinatus** McAtee

McAtee, Proc. Biol. Soc. Wash., xvii, p. 134, 1914.
Locality: Calif.

506. **Geocoris lividipennis** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 311, 1862.
Stål, Enum. Hemip., iv, p. 137, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 198, pl. 17, fig. 27, 1882.
McAtee, Proc. Biol. Soc. Wash., xvii, p. 133, 1914.
Localities: N. Mex., Br. Col.(?). (Mexico.)

Genus **Isthmocoris** McAtee
Orthotype *picea* Say

McAtee, Proc. Biol. Soc. Wash., xvii, p. 127, 1914.

507. **Isthmocoris piceus** (Say)

Say, Heter. N. Harm., p. 18, 1832; Fitch reprint, p. 780; Compl. Writ., i, p. [336, *Salda.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 407, 1872, *Ophthalmicus.*
Stål, Enum. Hemip., iv, p. 136, 1874, *Geocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876, *Geocoris.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 393, 1878, *Geocoris.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893, *Geocoris.*
Montandon, Ann. Mus. Natl. Hung., v, p. 90, 1907, *Germalus?*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908; xviii, p. 29, 1910, *Geocoris.*
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910, *Geocoris.*
McAtee, Proc. Biol. Soc. Wash., xvii, p. 129, 1914.
Localities: Mass., Conn., N. Y., N. J., Pa., Md., Ill., Wis., Colo.

508. **Isthmocoris tristis** (Stål)

Stål, Of. Vet. Akad. Forh., xi, p. 236, 1854, *Geocoris.*
Stål, Freg. Eugen. Resa, Ins., p. 249, 1859. *Geocoris.*
Stål, Enum. Hemip., iv, p. 136, 1874, *Geocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 306, 1876, *Geocoris.*
Montandon, Ann. Mus. Natl. Hung., v, p. 90, 1907, *Germalus?*
McAtee, Proc. Biol. Soc. Wash., xvii, p. 129, 1914.
Localities: Calif.

509. **Isthmocoris imperialis** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 197, pl. 18, fig. 18, 1882, *Geocoris.*
Barber, Brookl. Inst. Sci. Bul., i, p. 275, 1906.
Localities: Texas. (Centr. Am.)

Subfamily HETEROGASTRINAE (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 40, 62, 1872, *Heterogastrina.*
Stål, Enum. Hemip., iv, p. 168, 1874, *Heterogastrina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 312, 1876, *Heterogastrina.*
Uhler, Check List, p. 15, 1886, *Heterogastrina.*
Distant, Biol. Centr. Am., Heter., i, p. 411, 1893, *Heterogastrinae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 176, 1894, *Heterogastridae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 35, 1902, *Heterogastrinae.*
Oshanin, Verz. Palae. Hemip., i, p. 289, 1906, *Heterogastrina.*

Banks, Cat. Nearc. Hemip., p. 60, 1910, *Heterogastrini.*
Oshanin, Kat. Palae. Hemip., p. 31, 1912, *Heterogastrinae.*
Phygadicida Stål, Of. Vet. Akad. Forh., xix, p. 211, 1862.

Genus **Heterogaster** Schill.
Logotype *urticae* Fabr.

Schilling, Beit. z. Ent., i, p. 84, 1829.
Hahn, Wanz. Ins., i, p. 72, 1831.
Herrich-Schaeffer, Nomen, Ent., i, pp. 36, 46, 1835.
Burmeister, Handb. d. Ent., ii, p. 293, 1835.
Curtis, Br. Ent., xiii, pl. 597, 1836.
Blanchard, Hist. des Ins., Hémip., p. 131, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Suppl., p. 122, 1840.
Spinola, Tavola Sinot., p. 38, 1850.
Dallas, List of Hemip., ii, p. 556, 1852.
Herrich-Schaeffer, Wanz. Ins., ix, pp. 190, 200, 1853.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 62, 1872.
Stål, Enum. Hemip., iv, p. 168, 1874.
Oshanin, Kat. Palae. Hemip., p. 31, 1912 (names *urticae* type).
Phygas Fieber, Weit. Beit. Nat. u. Heilk., i, p. 348, 1836.
Phygadicus Fieber, Europ. Hemip., p. 52, 1860 (unnecessary n.n. for [*Heterogaster* Schill.).
Flor, Rhyn. Livl., i, p. 301, 1860.
Fieber, Europ. Hemip., p. 201, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 211, 1862.
Douglas and Scott, Br. Hemip., p. 221, 1865.

510. **Heterogaster behrensii** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 312, 1876, *Phygadicus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Phygadicus.*
Localities: Utah, Calif.

Subfamily PACHYGRONTHINAE (Stål)

Stål, Hemip. Afr., ii, pp. 121, 145, 1865, *Pachygronthida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 39, note, 1872, *Pachygronthina.*
Stål, Enum. Hemip., iv, p. 138, 1874, *Pachygronthina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876, *Pachygronthina.*
Distant, Biol. Centr. Am., Heter., i, p. 199, 1882, *Pachygronthinae.*
Puton, Cat. Hémip. Palae., p. 24, 1886, Tribe *Pachygronthini.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 179, 1894, *Pachygronthidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 39, 1903 *Pachygronthinae.*
Oshanin, Verz. Palae. Hemip., i, p. 292, 1906, *Pachygronthina.*
Banks, Cat. Nearc. Heter., p. 59, 1910, *Pachygronthini.*
Oshanin, Kat. Palae. Hemip., p. 31, 1912, *Pachygronthinae.*
Teracriina Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 39, 47, 1872.

Genus **Phlegyas** Stål
Haplotype *annulicrus* Stål

¶Stål, Hemip. Afr., ii, p. 145, 1865.
Stål, Berl. Ent. Zeit., xiii, p. 230, 1869.
Stål, Enum. Hemip., iv, p. 138, 1874.
Berg, Nova Hemip., p. 73, 1892.

Distant, Fauna Br. Ind., Rhyn., ii, p. 39, 1903.
‖*Helonotus* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 312, 1876 (haplotype Provancher, Pet. Faune Ent. Can., iii, p. 71, 1886. [*abbreviatus* Uhl.).
Peliopelta Uhler, Check List, p. 15, 1886 (n.n. for *Helonotus* Uhl.).
Distant, Biol. Centr. Am., Heter., i, p. 411, 1893. [p. 463, 1888.
Helonotocoris Lethierry, Ann. Mus. Civ. Hist. Nat. Genova, Ser. 2, vi,

511. **Phlegyas annulicrus** Stål

Stål, Berl. Ent. Zeit., xiii, p. 230, 1869.
Stål, Enum. Hemip., iv, p. 138, 1874 (as new).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876.
Snow, Trans. Kan. Acad. Sci., xx, pt. i, p. 178, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914 (mention).
§*annulicornis* Banks, Cat. Nearc. Hemip., p. 60, 1910 (part).
Localities: N. J., "Carolina," Fla., Kan., Utah, Texas, Ariz., Calif.

512. **Phlegyas tropicalis** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 411, pl. 36, fig. 5, 1893, *Peliopelta*.
Banks, Cat. Nearc. Hemip., p. 60, 1910.
Localities: "Texas" (Banks). (Mexico.)

513. **Phlegyas abbreviatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 313, 1876; iii, p. 412, 1877, *Helonotus*.
Provancher, Pet. Faune Ent. Can., iii, p. 71, 1886, *Helonotus*.
Van Duzee, Can. Ent., xxi, p. 3, 1889, *Peliopelta*.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Peliopelta*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894, *Peliopelta*.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Bueno, Jl. N. Y., Ent. Soc., xviii, p. 29, 1910.
Smith, Cat. Ins. N. J., Edn. 3, p. 142, 1910.
†*annulicrus* Berg, Nova Hemip., p. 73, 1892.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 179, 1894 (part).
Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908.
§*annulicornis* Banks, Cat. Nearc. Hemip., p. 60, 1910 (part).
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Md., D. C., Va., N. C., Ga., Mich., Ill., Mo., Neb., Colo.

Genus **Oedancala** Am. & Serv.
Haplotype *dorsilinea* Am. & Serv.

Amyot and Serville, Hémip., p. 258, 1843.
Stål, Hemip. Afr., ii, pp. 146, 147, 1865.
Stål, Enum. Hemip., iv, pp. 138, 139, 1874.
Provancher, Pet. Faune Ent. Can., iii, p. 72, 1886.

514. **Oedancala dorsilinea** Am. & Serv.

Amyot and Serville, Hémip., p. 258, pl. 12, fig. 6, 1843.
Stål, Enum. Hemip., iv, p. 139, 1874.
?Berg, Hemip. Argent., p. 107, 1879.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 170, 1909.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 511, 1914.
†*crassimana* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876.
†*dorsalis* Berg, Nova Hemip., p. 74, 1892.
Localities: N. J., Md., Ga., Fla., Texas. (? South America.)

515. **Oedancala dorsalis** (Say)

Say, Heter N. Harm., p. 17, 1832; Fitch reprint, p. 779; Compl. Writ., i, p. [335, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876; iii, p. 411, 1877.
Van Duzee, Psyche, v, p. 27, 1888.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
†*crassimana* Stål, Enum. Hemip., iv, p. 139, 1874.
Provancher, Pet. Faune Ent. Can., iii, p. 73, 1886.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 29, 1910.
Smith, Cat. Ins. N. J., Edn. 3, p. 143, 1910.
†*dorsilinea* Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., S. C., Fla.(?), Ohio, Wis., Okl., Texas.

516. **Oedancala crassimana** Fabr.

Fabricius, Syst. Rhyng., p. 233, 1803, *Lygaeus.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 147, 1853, *Pachymerus.*
Stål, Hemip. Fabr., ii, p. 122, 1869.
Localities: "Carolina" (Fabricius; not since recognized).

517. **Oedancala cubana** Stål

Stål, Enum. Hemip., iv, p. 139, 1874. [tion of *dorsilinea.*)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876 (probably a misidentifica-
Localities: "Fla., Texas" (Uhler). (West Indies.)

Genus **Pachygrontha** Germ.
Type *lineata* Germ.

Germar, Silberm. Revue Ent., v, p. 152, 1837.
Stål, Hemip. Afr., ii, pp. 146, 147, 1865.
Stål, Enum. Hemip., iv, pp. 138, 139, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 200. 1882.
Distant, Fauna Br. Ind., Rhyn., ii, p. 40, 1903.
Oshanin, Kat. Palae. Hemip., p. 31, 1912. (Names *lineata* type.)
‡*Pachygroncha* Spinola, Generi d'Insetti Arthr., p. 140, 1852.
Atractophora Stål, Of. Vet. Akad. Forh., x, p. 260, 1853 (invalid here).
Stål, Of. Vet. Akad. Forh., xii, p. 34, 1855. (Haplotype *fusifemur* Stål.)
Peliosoma Uhler, Proc. Acad. Nat. Sci. Phila., xii, for 1860, p. 229, 1861. [(Haplotype *antennata* Uhl.)
Dilophos Montrouzier, Ann. Soc. Linn. Lyons, Ser. 2, xi, p. 226, 1865. [(Type *silieri* Montr.)

518. **Pachygrontha bimaculata** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 393, pl. 34, fig. 23, 1893.
Banks, Cat. Nearc. Hemip., p. 60, 1910.
Localities: Texas(?) (Banks). (Panama.)

Subfamily OXYCARENINAE (Stål)

Stål, Of. Vet. Akad. Forh., xix, p. 212, 1862, *Oxycarenida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 39, 1872, *Oxycarenina.*
Stål, Enum. Hemip., iv, p. 141, 1874, *Oxycarenina.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876, *Oxycarenina.*
Berg, Hemip. Argent. Add., p. 55, 1884, *Oxycarenina.*
Puton, Cat. Hémip. Palae., p. 24, 1886, Tribe *Oxycarenini.*
Uhler, Check List, p. 14, 1886, *Oxycarenina.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 182, 1894, *Oxycarenidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 42, 1903, *Oxycareninae.*
Oshanin, Verz. Palae. Hemip., i, p. 293, 1906, *Oxycarenina.*
Banks, Cat. Nearc. Hemip., p. 59, 1910, *Oxycarenini.*
Oshanin, Kat. Palae. Hemip., p. 31, 1912, *Oxycareninae.*
Aneuropharina Berg, Hemip. Argent., p. 285, 1884.

Genus **Crophius** Stål
Logotype *disconotus* Say

Stål, Enum. Hemip., iv, pp. 141, 142, 1874.
Berg, Hemip. Argent. Add., p. 55, 1884. [*disconotus* type.)
Van Duzee, Bul. Buf. Soc. Nat. Sci, ix, p. 389, 1910. (Monograph. Names
Aneuropharus Berg, Hemip. Argent., p. 285, 1879. (Haplotype *leucocnemis*
Berg, Ann. Soc. Cient. Argent., ix, p. 13, 1880. [Berg.)

Subgenus **Crophius** Stål

519. **Crophius disconotus** (Say)

Say, Heter. N. Harm., p. 14, 1832; Fitch reprint, p. 774; Compl. Writ., i, p.
Stål, Enum. Hemip., iv, p. 142, 1874. [330, *Lygaeus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 371, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Gillette and Baker, Hemip. Colo., p. 24, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 392, 1910.
Bueno, Can. Ent., xliv, p. 212, 1912.
Localities: Quebec, N. H., N. Y., N. J., Pa., D. C., Ala., Mo., Colo., Utah, Calif. (Mexico.)

520. **Crophius schwarzi** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 392, fig., 1910.
Locality: Ariz.

521. **Crophius heidemanni** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 393, fig., 1910.
Locality: Ariz.

522. **Crophius bohemani** (Stål)

Stål, Frega. Eugen. Resa, Ins., p. 251, 1859, *Cymus.*
Stål, Enum. Hemip., iv, p. 142, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 307, 1876.
Gillette and Baker, Hemip. Colo., p. 24, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 394, 1910.
Localities: Colo., Utah, Calif., Idaho, Ore., Vanc. Isd.

523. **Crophius angustatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 395, fig., 1910.
Localities: Utah, Calif.

524. **Crophius impressus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 396, fig., 1910.
Locality: Calif.

Subgenus **Mayana** Dist.
Logotype *costata* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 387, 1893.

525. **Crophius scabrosus** (Uhl.)

Uhler, Proc. U. S. Natl. Mus., xvii, p. 353, 1904, *Oxycarenus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 397, 1910, *Crophius.*
Banks, Cat. Nearc. Hemip., p. 59, 1910, *Oxycarenus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Localities: Neb., Colo., Utah, N. Mex., Calif.

Subfamily RHYPAROCHROMINAE (Stål)

Stål, Of. Vet. Akad. Forh., xix, p. 210, 1862, *Rhyparochromida.*
Stål, Hemip. Afr., ii, pp. 121, 152, 1865, *Rhyparochromida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 663, 1870, *Rhyparochromina.*
Myodochina Stål, Of. Vet. Akad. Forh., xxix, No. 7, pp. 40, 50, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1872.
Stål, Enum. Hemip., iv, p. 142, 1874.
Berg, Hemip. Argent., p. 107, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 200, 1882.
Uhler, Check List., p. 14, 1886.
Banks, Cat. Nearc. Hemip., p. 63, 1910, *Myodochini.*
Pachymerini Puton, Cat. Hémip. Palae., edn. 3, p. 25, 1886 (as tribe).
Aphanidae Lethierry and Severin, Cat. Génl. Hémip., ii, p. 188, 1894.
Distant, Fauna Br. Ind., Rhyn., ii, p. 45, 1902, *Aphaninae.*
Oshanin, Verz. Palae. Hemip., i, p. 303, 1906, *Aphanina.*
Oshanin, Kat. Palae. Hemip., p. 33, 1912, *Aphaninae.*

TRIBE *MYODOCHINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 51, 1872, Div. *Myodocharia.*
Stål, Enum. Hemip., iv, pp. 142, 144, 1874, Div. *Myodocharia.*
Berg, Hemip. Argent., p. 107, 1879, Div. *Myodocharia.*
Distant, Biol. Centr. Am., Heter., i, p. 200, 1882, Div. *Myodocharia.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 47, 1902, Div. *Myodocharia.*
Oshanin, Verz. Palae. Hemip., i, p. 303, 1906, Div. *Myodocharia.*
Plociomeraria Puton, Synop. Heter. Fr., i, p. 37, 1878.
Oshanin, Kat. Palae. Hemip., p. 33, 1912.

Genus **Myodocha** Latr.
Orthotype *serripes* Oliv.

¶Latreille, Gen. Crust. Ins., iii, p. 126, 1807.
Latreille, Consid. Génl., pp. 255, 433, 1810 (type named).
Latreille, Fam. Règne Anim., p. 422, 1825 (French *Myodoque*).
Latreille, *in* Cuvier, Règne Animal, edn. 2, v, p. 199, 1829.

Laporte, Essai Classif. Syst. Hémip., p. 32, 1832 (quotes *serripes*, etc.).
Latreille, *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 164, 1836.
Spinola, Essai sur les Hémip., p. 103, 1837 (1840).
Amyot and Serville, Hémip., p. 256, 1843.
Spinola, Tavola Sinot., p. 40, 1850.
Herrich-Schaeffer, Wanz. Ins., ix, pp. 192, 212, 1853.
Walker, Cat. Heter., v, p. 145, 1872.
Stål, Enum. Hemip., iv, pp. 144, 146, 1874.
Distant, Biol. Centr. Am., Heter, i, p. 203, 1882.
Bergroth, Wien. Ent. Zeit., xxxi, p. 162, 1912.
‡*Myodochus* Olivier, Encyc. Méth., viii, p. 105, 1811.
Brullé, Hist. Nat. des Ins., ix, p. 388, 1835.
Blanchard, Hist. des Ins., Hémip., p. 134, 1840.
Chiroleptes Kirby *in* Richardson, Fauna Bor. Am., iv, p. 280, 1837. (Hap- [lotype *raptor* Kirby = *serripes* Oliv.)
Kirkaldy, Jl. Bombay Nat. Hist. Soc., xiv, p. 306, 1902.
Horvath, Ann. Mus. Natl. Hung., ix, p. 13, 1911.

526. **Myodocha serripes** Oliv.

Latreille, Consid. Génl., p. 433, 1810 (nomen nudum here).
Olivier, Encyc. Méth., viii, p. 106, 1811, *Myodochus*. (Spinola says ix, p. [105.)
Laporte, Essai Classif. Syst. Hémip., p. 33, 1832.
Brullé, Hist. Nat. des Ins., ix, p. 388, 1835, *Myodochus*.
Spinola, Essai sur les Hémip., p. 103, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 134, pl. 5, fig. 4, 1840.
Amyot and Serville, Hémip., p. 258, 1843.
Spinola, Tavola Sinot., p. 40, 1850.
Herrich-Schaeffer, Wanz. Ins., ix, p. 213, fig. 966, 1853.
Stål, Stet. Ent. Zeit., xxiii, p. 314, 1862.
Walker, Cat. Heter., v, p. 145, 1872.
Stål, Enum. Hemip., iv, p. 147, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 309, 1876; iii, p. 411, 1877.
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1327.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 388, 1878.
Uhler, Stand. Nat. Hist., ii, p. 289, 1884.
Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910.
Parshley, Psyche, xxi, p. 146, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
petiolata Say, Heter. N. Harm., p. 19, 1832; Fitch reprint, p. 781; Compl. [Writ., i, p. 337. (Spelled *opetilata* by error.)
raptor Kirby *in* Richardson's Fauna Bor. Am., iv, p. 281, 1837, *Chiroleptes*.
Kirby *in* Bethune's reprint, p. 137.
Localities: Me., Mass., N. Y., N. J., Pa., Md., N. C., Fla., Ohio, Ill., Mo., Neb., Kan., Okl., Colo., La., Texas, N. Mex.

Genus **Heraeus** Stål
Orthotype *triguttata* Guer.

Stål, Stet. Ent. Zeit., xxiii, p. 314, 1862.
Stål, Hemip. Fabr., ii, p. 153, 1865.

Stål, Enum. Hemip., iv, pp. 144, 147, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 204, 1882.

527. **Heraeus triguttatus** (Guer.)

Guerin, Sagra, Hist. de Cuba, Ins., p. 400, 1857, *Lygaeus.*
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862.
Stål, Enum. Hemip., iv, p. 147, 1874.
Banks, Cat. Nearc. Hemip., p. 65, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
Locality: Fla. (West Indies.)

528. **Heraeus plebejus** Stål

Stål, Enum. Hemip., iv, p. 147, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 309, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 30, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
Localities: N. Y., N. J., Pa., D. C., Fla., Kan., Texas., Ariz.

529. **Heraeus coquilletti** Barber

Barber, Jl. N. Y. Ent. Soc., xxii, p. 165, 1914.
nitens Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 8, 1914.
Localities: Texas, Calif.

530. **Heraeus eximinus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 204, pl. 18, fig. 21, 1882.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Locality: Ariz.

Genus **Sphaerobius** Uhl.
Logotype *gracilis* Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 710.

531. **Sphaerobius insignis** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 407, 1872, *Heraeus.*
Stål, Enum. Hemip., iv, p. 147, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 309, 1876; iii, p. 412, 1877, *Heraeus.*
Provancher, Pet. Faune Ent. Can., iii, p. 80, 1886, *Heraeus.*
Uhler, Proc. Zool. Soc. Lond. for 1893, p. 711.
Parshley, Psyche, xxi, p. 146, 1914.
Localities: Me., Minn., S. D., Neb., Colo., Utah.

532. **Sphaerobius quadristriata** Barb.

Barber, Jl. N. Y. Ent. Soc., xix, p. 24, 1911.
Weiss, Ent. News, xxvii, p. 164, 1916.
[*?orbicollis* Uhl. MS] Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910, *Heraeus.*
Sphaerobius sp.nov., Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Localities: Quebec, N. J.

Genus **Ligyrocoris** Stål

Haplotype *silvestris* Fieb. = *luchsii* Baer.

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 51, 1872.
Stål, Enum. Hemip., iv, pp. 144, 145, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 201, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 79, 1886.
Van Duzee, Can. Ent., xlvi, p. 382, 1914.

533. **Ligyrocoris pseudoheraeus** Barb.

Barber, Brookl. Inst. Sci. Bul., i, p. 275, 1906.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. N. S. 11, p. 51, 1913.
[May not be distinct from *Heraeus eximius* Dist.]
Localities: Ariz., Texas.

534. **Ligyrocoris setosus** (Stål)

Stål, Enum. Hemip., iv, p. 150, 1874, *Pamera.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914. [*Heraeus. percultus* Distant, Biol. Centr. Am., Heter., i, p. 205, pl. 19, fig. 10, 1882,
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Localities: Texas, Ariz., Calif. (Guatemala.)

535. **Ligyrocoris slossoni** Barb.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 513, 1914.
Locality: Fla.

536. **Ligyrocoris nitidulus** (Uhl.)

Uhler, N. Am. Fauna, vii, p. 262, 1893, *Pamera.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 242, 1894, *Pamera.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Localities: Colo., N. Mex., Texas, Ariz., Calif.

537. **Ligyrocoris contractus** (Say)

Say, Heter. N. Harm., p. 16, 1832; Fitch reprint, p. 777; Compl. Writ., i, p. [332, *Pamera.*
Stål, Enum. Hemip., iv, p. 145, 1874 (as var. *b* of *sylvestris* of Stål).
Reuter, Berl. Ent. Zeit., xxv, p. 169, 1881.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Van Duzee, Can. Ent., xxxviii, p. 406, 1906; xl, p. 110, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910.
†*bilobata* (Provancher), Pet. Faune Ent. Can., iii, p. 82, 1886, *Pamera.*
†*balteatus ?* Van Duzee, Trans. Am. Ent. Soc., xxix, p. 109, 1903.
†*sylvestris* Oshanin, Verz. Palae. Hemip., i, p. 308, 1906 (part).
Reuter, Ann. Soc. Ent. Belg., lvii, p. 79, 1913.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., N. Mex.

538. **Ligyrocoris diffusus** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 101, 1871, *Plociomerus.*
Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Cymbogaster.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, pp. 407, 408, 1872, *Plociomerus.*
Van Duzee, Can. Ent., xl, p. 110, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.
†*sylvestris* Stål, Enum. Hemip., iv, p. 145, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876; iii, p. 411, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 388, 1878.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Gillette and Baker, Hemip. Colo., p. 24, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 353, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 193, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 549, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 29, 1910.
Localities: Quebec, Ont., Me., N. H., Mass., Conn., R. I., N. Y., N. J., Pa., Md., D. C., N. C., Kan., Colo., Ariz., Calif.

539. **Ligyrocoris litigiosus** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 313, 1862, *Plociomera.*
Distant, Biol. Cent. Am., Heter., i, p. 201, pl. 17, fig. 19, 1882.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
Localities: Fla. (Neotropical.)

540. **Ligyrocoris abominalis** (Guer.)

Guerin *in* Sagra, Hist. de Cuba, Ins., p. 397, 1857, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 146, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 202, pl. 17, fig. 21, 1882.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 512, 1914.
piligera (Stål), Stet. Ent. Zeit., xxiii, p. 312, 1862, *Plociomera.*
†*constrictus* (Uhler), Proc. Bost. Soc. Nat. Hist., xiv, p. 101, 1871, *Plociomerus* (part).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 309, 1876 (part).
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 388, 1878 (part).
Localities: Fla., Texas. (Neotropical.)

541. **Ligyrocoris multispinus** (Stål)

Stål, Enum. Hemip., iv, p. 145, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 201, pl. 17, fig. 18, 1882.
Berg, Nova Hemip., p. 74, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Localities: Fla. (Neotropical.)

542. **Ligyrocoris confraternus** Barb.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 512, 1914.
Locality: Fla.

Genus **Perigenes** Dist.
Haplotype *dispositus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 396, 1893.
Van Duzee, Can. Ent., xlvi, p. 382, 1914.

543. **Perigenes constrictus** (Say)

Say, Heter. N. Harm., p. 15, 1832; Fitch reprint, p. 776; Compl. Writ., i, p. [332, *Pamera.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 101, 1871, *Plociomerus* (part).
Stål, Enum. Hemip., iv, p. 146, 1874, *Ligyrocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 309, 1876, *Ligyrocoris* (part).
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1327, *Ligyrocoris.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 388, 1878, *Ligyrocoris* (part).
Provancher, Pet. Faune Ent. Can., iii, p. 79, 1886, *Ligyrocoris.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 240, 1894, *Ligyrocoris.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894, *Ligyrocoris.*
Gillette and Baker, Hemip. Colo., p. 24, 1895, *Ligyrocoris.*
Barber, Brookl. Inst., Sci. Bul., i, p. 275, 1906, *Ligyrocoris.*
Van Duzee, Can. Ent., xli, p. 372, 1909.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 29, 1910, *Ligyrocoris.*
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910, *Ligyrocoris.*
Van Duzee, Can. Ent., xlvi, p. 382, 1914.
fallax Heidemann, Proc. Ent. Soc. Wash., v, p. 156, 1903.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 230, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910.
Localities: Ont., N. H., Mass., N. Y., N. J., D. C., Ohio, Kan., Colo.

544. **Perigenes similis** Barb.

Barber, Brookl. Inst. Sci. Bul., i, p. 276, 1906.
Locality: Texas.

545. **Perigenes costalis** Van D.

Van Duzee, Can. Ent., xli, p. 373, 1909.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 29, 1910.
Localities: N. Y., Md., Ohio, Manitoba.

Genus **Paromius** Fieb.
Logotype *leptopoides* Baer

Fieber, Europ. Hemip., pp. 45, 170, 1861.
Stål, Hemip. Afr., ii, p. 157, 1865 (as subgenus).
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 51, 1872.
Stål, Enum. Hemip., iv, p. 1874 (as subgenus).
Puton, Synop. Hemip. Fr., i, p. 38, 1878.
Distant, Fauna Br. Ind., Rhyn., ii, p. 50, 1903.
Oshanin, Kat. Palae. Hemip., p. 33, 1912 (cites *leptopoides* as type).
‖*Stenocoris* Rambur, Fauna Ent. Andal., p. 139, 1842 (type *gracilis* Ramb.).

546. **Paromius longulus** (Dall.)

Dallas, List of Hemip., ii, p. 578, 1852, *Rhyparochromus.*
Stål, Enum. Hemip., iv, p. 148, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera*
Distant, Biol. Centr. Am., Heter., i, p. 206, pl. 17, fig. 26, 1882, *Pamera.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 17, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 512, 1914.
Localities: N. C., S. C., Ga., Fla., Miss., La., Texas. (Neotropical.)

Genus **Orthaea** Dall.
Logotype *consuta* Dall.

Dallas, List of Hemip., ii, p. 580, 1852.
Kirkaldy, Entomol., xxxv, p. 137, 1902.
Van Duzee, Can. Ent., xlvi, p. 382, 1914.

¶*Pachybrachius* Hahn, Icon. Monog. Cimic., pl. 18, 1826 (for *luridus* Hahn).
[(*See* Bergroth, Ent. Mitt., ii, p. 11, 1913.)

‡*Plociomerus* Amyot and Serville, Hémip., p. 255, 1843.
Baerensprung, Berl. Ent. Zeit., iii, p. 329, 1859.
Fieber, Europ. Hemip., pp. 45, 171, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 210, 213, 1862.
Stål, Hemip. Afr., ii, pp. 154, 156, 1865.
Thompson, Opusc. Ent., ii, p. 193, 1870.
Walker, Cat. Heter., v, p. 116, 1872.

Gyndes Stål, Stet. Ent. Zeit., xxiii, p. 314, 1862 (orthotype *malaya* Stål).
Stål, Hemip. Afr., ii, p. 154, 1865. [*fracticollis* Stål).

Diplonotus Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 51, 1872 (logotype

†*Pamera* Stål, Enum. Hemip., iv, p. 147, 1874.
Berg, Hemip. Argent., p. 108, 1879.
Distant, Biol. Centr. Am., Heter., i, p. 206, 1882.
Uhler, Check List, p. 15, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 82, 1886.
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 191, 1894.
Distant, Fauna Br. Ind., Rhyn., ii, p. 51, 1903 (names *vincta* psuedo-
Bergroth, Wien. Ent. Zeit., xxv, p. 9, 1906. [type.)
Oshanin, Verz. Palae. Hemip., i, p. 305, 1906.
Banks, Cat. Nearc. Hemip., p. 66, 1910.
Oshanin, Kat. Palae. Hemip., p. 33, 1912.

547. **Orthaea vincta** (Say)

Say, Heter. N. Harm., p. 16, 1832; Fitch reprint, p. 777; Compl. Writ., i, p.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 186, *Pamera*. [333, *Pamera*.
Distant, Ann. Mag. Nat. Hist., Ser. 7, viii, p. 480, 1901, *Pamera*.
Distant, Fauna Br. Ind., Rhyn., ii, p. 52, 1903, *Pamera*.
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 301, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 17, 1907, *Pamera*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909, *Pamera*.
Distant, Fauna Br. Ind., Rhyn., v, p. 50, 1910, *Pamera*.
Distant, Trans. Linn. Soc. Lond., xvi, p. 152, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.

gutta (Dallas), List of Hemip., ii, p. 573, 1852, *Rhyparochromus*.
parvulus (Dallas), List of Hemip., ii, p. 576, 1852, *Rhyparochromus*.
Stål, Hemip. Afr., ii, p. 159, 1865, *Plociomera*.
Stål, Ann. Soc., Ent. Fr., Ser. 4, v, p. 187, 1865, *Plociomera*.
Walker, Cat. Heter., v, p. 117, 1872, *Plociomerus*.
Stål, Enum. Hemip., iv, p. 148, 1874, *Pamera*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera*.
Distant, Biol. Centr. Am., Heter., i, p. 206, pl. 19, fig. 12, 1882, *Pamera*.
amyoti (Guerin), in Sagra, Hist. de Cuba, Ins., p. 400, 1857, *Lygaeus*.
vinulus (Stål), Freg. Eugen. Resa, Ins., p. 246, 1859, *Rhyparochromus*.
Stål, Rio Jan. Hemip., i, p. 40, 1860, *Rhyparochromus* (as new).
reductus (Walker), Cat. Heterop., v, p. 120, 1872, *Plociomerus*.

bipunctatus Kirby, Jl. Linn. Soc., Zool., xx, p. 547, 1894, *Ligyrocoris.*
periplanios Kirkaldy, Can. Ent., xxxix, p. 246, 1907.
†*pacifica* Kirkaldy, Proc. Linn. Soc. N. S. Wales, xxxii, p. 776, 1907.
Localities: N. C., Ga., Fla., Texas. (Neotropical, Europe, Asia, Africa, Pacific Isds.)

548. **Orthaea curvipes** (Stål)

Stål, Enum. Hemip., iv, p. 148, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 186, *Pamera.*
Localities: N. C., Texas, N. Mex. (West Indies.)

549. **Orthaea bilobata** (Say)

Say, Heter. N. Harm., p. 17, 1832; Fitch reprint, p. 779; Compl. Writ., i, [p. 334, *Pamera.*
Stål, Stet. Ent. Zeit., xxiii, p. 312, 1862, *Plociomerus.*
Stål, Ann. Soc. Ent. Fr., Ser. 4, v, p. 187, 1865, *Pamera.*
Stål, Enum. Hemip., iv, p. 150, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera.*
Berg, Hemip. Argent., p. 108, 1879, *Pamera.*
Distant, Biol. Centr. Am., Heter., i, p. 207, 1882, *Pamera.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 186, *Pamera.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 242, 1894, *Pamera.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 17, 1907, *Pamera.*
Van Duzee, Can. Ent., xli, p. 127, 1909, *Pamera.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909, *Pamera.*
?Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910, *Pamera.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
maculata (Amyot and Serville), Hémip., p. 255, 1843, *Plociomerus.*
Stål, Enum. Hemip., iv, p. 152, 1874, *Pamera.*
ochroceras (Stål), Freg. Eugen. Resa, Ins., p. 245, 1859, *Rhyparochromus.*
Stål, Rio Jan. Hemip., i, p. 39, 1860, *Rhyparochromus* (as new).
Localities: N. C., S. C., Ga., Fla., Miss., La., Texas. (Neotropical.)

550. **Orthaea servillei** (Guer.)

Guerin, *in* Sagra, Hist. de Cuba, Ins., p. 399, 1857, *Lygaeus.*
Stål, Stet. Ent. Zeit., xxiii, p. 312, 1862, *Plociomera* (redescribed).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
scutellatus (Dallas), List of Hemip., ii, p. 575, 1852, *Rhyparochromus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909, *Pamera.*
†*bilobata* (Distant), Biol. Centr. Am., Heter., i, pl. 17, fig. 25, 1882, *Pamera.*
Localities: Fla. (West Indies, Mexico.)

551. **Orthaea vicina** (Dall.)

Dallas, List of Hemip., ii, p. 576, 1852, *Rhyparochromus.*
Stål, Enum. Hemip., iv, p. 152, 1874, *Pamera.*
Locality: "N. Am."

552. **Orthaea nitidicollis** (Stål)

Stål, Enum. Hemip., iv, p. 150, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera.*
Locality: Texas.

553. **Orthaea setosa** (Stål)

Stål, Enum. Hemip., iv, p. 150, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera.*
Locality: Texas.

554. **Orthaea basalis** (Dall.)

Dallas, List of Hemip., ii, p. 575, 1852, *Rhyparochromus.*
Stål, Enum. Hemip., iv, p. 152, 1874, *Pamera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876, *Pamera.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894, *Pamera.*
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904, *Pamera.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909, *Pamera.*
Bueno, Jl. N. Y. Ent. Soc., xvii, p. 30, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 143, 1910, *Pamera.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 514, 1914.
Localities: N. Y., N. J., Pa., Md., D. C., N. C., Fla., Ohio, Mich., Ill., Neb., Kan., Miss., Texas.

555. **Orthaea dallasi** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 208, pl. 19, fig. 14, 1882, *Pamera* (n.n.).
†*lineatus* (Dallas), List of Hemip., ii, p. 575, 1852, *Rhyparochromus.*
Banks, Cat. Nearc. Hemip., p. 66, 1910, *Pamera.*
Locality: "North America."

Genus **Pseudopamera** Dist.
Haplotype *aurivilliana* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 209, 1882.

556. **Pseudopamera forreri** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 399, pl. 35, fig. 5, 1893.
Banks, Cat. Nearc. Hemip., p. 67, 1910 (spelled *ferrerei*).
Localities: "Ariz." (Central America.)

Genus **Ptochiomera** Say
Haplotype *nodosa* Say

Say, Heter. N. Harm., p. 18, 1832; Fitch reprint, p. 780; Compl. Writ., i, p. 335.
Uhler, Check List, p. 15, 1886.
Banks, Cat. Nearc. Hemip., p. 67, 1910.
‡*Plociomerus* Amyot and Serville, Hémip., p. 255, 1843.
Stål, Enum. Hemip., iv, p. 152, 1874, *Plociomera.*
Distant, Biol. Centr. Am., Heter., i, p. 209, 1882, *Plociomera.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 194, 1894, *Plociomera.*

557. **Ptochiomera nodosa** Say

Say, Heter. N. Harm, p. 18, 1832; Fitch reprint, p. 780; Compl. Writ., i, p. 335.
Stål, Berl. Ent. Zeit., x, p. 161, 1867, *Plociomerus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 100, 1871.
Stål, Enum. Hemip., iv, p. 153, 1874, *Plociomera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 387, 1878.
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904, *Plociomerus.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 171, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
clavatus (Dallas), List of Hemip., ii, p. 560, 1852, *Aphanus.*
Localities: Pa., Md., N. C., Ga., Fla., La., Mo., Texas.

558. **Ptochiomera clavigera** Uhl.

Uhler, Hemip. Colo., p. 24, 1895.
Localities: Kan., Colo.

559. **Ptochiomera fuscicornis** Stål

Stål, Enum. Hemip., iv, p. 152, 1874, *Plociomera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876.
Barber, Brookl. Inst. Sci. Bul., i, p. 276, 1906, *Plociomera.*
Locality: Texas.

560. **Ptochiomera antennata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 172, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
Localities: Fla., Ariz.(?).

561. **Ptochiomera minima** (Guer.)

Guerin *in* Sagra, Hist. de Cuba, Ins., p. 398, 1857, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 153, 1874, *Plociomerus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
Localities: Fla., La., Texas. (West Indies.)

562. **Ptochiomera oblonga** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 313, 1862, *Plociomera.*
Stål, Enum. Hemip., iv, p. 153, 1874, *Plociomera.*
Distant, Biol. Centr. Am., Heter., i, p. 209, pl. 17, fig. 24, 1882, *Plociomera.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 187.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 243, 1894.
Localities: Texas. (Neotropical.)

563. **Ptochiomera formosa** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 210, pl. 19, fig. 25, 1882, *Plociomera.*
Banks, Cat. Neare. Hemip., p. 67, 1910.
Localities: Texas, Ariz. (Neotropical.)

564. **Ptochiomera puberula** Stål

Stål, Enum. Hemip., iv, p. 153, 1874, *Plociomera.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876; iii, p. 411, 1877.
Localities: Colo., Texas.

Genus **Dycoderus** Uhl.
Haplotype *picturatus* Uhl.

Uhler, Proc. Ent. Soc. Wash., iv, p. 507, 1901.

565. **Dycoderus picturatus** Uhl.

Uhler, Proc. Ent. Soc. Wash., iv, p. 508, 1901.
Localities: Colo., Ariz.

Genus **Cnemodus** H. S.
Haplotype *brevipennis* H. S. = *mavortius* Say

Herrich-Schaeffer, Wanz. Ins., ix, p. 184, 1853.
Stål, Hemip. Afr., ii, p. 153, 1865.
Stål, Enum. Hemip., iv, pp. 145, 153, 1874.

566. **Cnemodus mavortius** (Say)

Say, Heter. N. Harm., p. 19, 1832; Fitch reprint, p. 782; Compl. Writ., i, p. [337, *Astemma.*
Stål, Berl. Ent. Zeit., x, p. 161, 1867.
Stål, Enum. Hemip., iv, p. 153, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 387, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894.
Distant, Ann. Mag. Nat. Hist., Ser. 7, viii, p. 483, 1901.
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904.
Bueno and Engelhardt, Can. Ent., xlii, p. 149, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. N. S. 113, p. 51, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
Parshley, Psyche, xxi, p. 146, 1914.
brevipennis Herrich-Schaeffer, Wanz. Ins., ix, p. 184, fig. 948, 1853.
alacris (Walker), Cat. Heter., v, p. 147, 1872, *Thaumastopus?*
Localities: Me., Mass., N. Y., N. J., Pa., Md., N. C., Ga., Fla., Ind., Mo., Texas.

567. **Cnemodus inflatus** Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 109, 1915.
Locality: N. C.

568. **Cnemodus sobrius** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 241, 1894.
Localities: Calif. (Mexico.)

Genus **Pseudocnemodus** Barb.
Haplotype *bruneri* Barb. = *canadensis* Prov.

Barber, Jl. N. Y. Ent. Soc., xix, p. 25, 1911.
†*Pterometus* Provancher, Pet. Faune Ent. Can., iii, p. 84, 1886.

569. **Pseudocnemodus canadensis** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 84, 1886, *Pterometus.*
Van Duzee, Can. Ent., xliv, p. 320, 1912.
Bueno, Ent. News, xxvi, p. 277, 1915.
Weiss, Ent. News, xxvii, p. 164, 1916.
bruneri Barber, Jl. N. Y. Ent. Soc., xix, p. 26, 1911.
Bueno, Can. Ent., xliv, p. 212, 1912.
Localities: Quebec, Ont., Conn., N. Y., N. J., N. C., Kan., Neb.

Genus **Carpilis** Stål
Haplotype *ferruginea* Stål

Stål, Enum. Hemip., iv, pp. 145, 153, 1874.

570. **Carpilis ferruginea** Stål

Stål, Enum. Hemip., iv, p. 153, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 308, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 243, 1894.
Bueno, Can. Ent., xliv, p. 212, 1912.
Localities: N. Y., Texas, N. Mex.

TRIBE *RHYPAROCHROMINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 51, 1872, Div. *Rhyparochromaria.*
Stål, Enum. Hemip., iv, pp. 142, 154, 1874, Div. *Rhyparochromaria.*
Puton, Synop. Heter. Fr., i, p. 37, 1878, *Rhyparochromaria.*
Distant, Biol. Centr. Am., Heter., i, p. 212, 1882, Div. *Rhyparochromaria.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 59, 1903, Div. *Rhyparochromaria.*
Oshanin, Verz. Palae. Hemip., i, p. 309, 1906, Div. *Rhyparochromaria.*
Oshanin, Kat. Palae. Hemip., p. 33, 1912, Tribe *Rhyparochromaria.*

Genus **Ozophora** Uhl.
Haplotype *picturata* Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 102, 1871.
Stål, Enum. Hemip., iv, pp. 154, 156, 1874.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 389, 1878 (redescribed). [Dist.)
Davila Distant, Biol. Centr. Am., Heter., i, p. 394, 1893 (logotype *concava*
Peggichisme Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Davila.*).

571. **Ozophora picturata** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 102, 1871.
Stål, Enum. Hemip., iv, p. 156, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 310, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 390, 1878.
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Bueno, Can. Ent., xliv, p. 212, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 516, 1914.
consanguineus (Distant), Biol. Centr. Am., Heter., i, p. 395, pl. 35, fig. 2,
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 186. [1893, *Davila.*
Localities: Mass., N. J., Pa., Md., Fla., Texas, Ariz.

572. **Ozophora trinotata** Barb.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
Locality: Fla.

573. **Ozophora burmeisteri** (Guer.)

Guerin, *in* Sagra, Hist. de Cuba, Ins., p. 397, 1857, *Lygaeus.*
Stål, Ann. Soc. Ent. Fr., Ser. 4, v, p. 187, 1865.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 242, 1894.
Barber, Brookl. Inst., Sci. Bul., i, p. 276, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 515, 1914.
Localities: Fla., Texas. (Neotropical.)

574. **Ozophora concavus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 394, pl. 35, fig. 1, 1893, *Davila.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 18, 1907.
Localities: Fla. (Neotropical.)

575. **Ozophora unicolor** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 242, 1894.
Banks, Cat. Nearc. Hemip., p. 66, 1910.
Localities: "Calif." (Banks). (Mexico.)

Genus **Tempyra** Stål
Haplotype *biguttula* Stål

Stål, Enum. Hemip., iv, pp., 155, 157, 1874.

576. **Tempyra biguttula** Stål

Stål, Enum. Hemip., iv, p. 157, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
Localities: Md., Texas.

Genus **Pamphantus** Stål
Haplotype *elegantulus* Stål

Stål, Enum. Hemip., iv, pp. 155, 157, 1874.

577. **Pamphantus elegantulus** Stål

Stål, Enum. Hemip., iv, p. 157, 1874.
Uhler, Check List, p. 15, 1886.
Localities: "South States" (Uhler). (West Indies.)

Genus **Antillocoris** Kirk.
Haplotype *pallidus* Uhl.

Kirkaldy, Entomol. xxxvii, p. 280, 1904 (n.n. for *Pygaeus* Uhl.).
Bergroth, Ann. Soc. Ent. Belg., lvii, p. 153. 1913.
‖*Salacia* Stål, Enum. Hemip., iv, pp. 156, 157, 1874 (Section *aa* only).
†*Salacia* Distant, Biol. Cent. Am., Heter., i, p. 406, 1893.
‖*Pygaeus* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 187 (haplotype *pallidus*
Van Duzee, Can. Ent., xli, p. 373, 1909. [Uhl.)

578. **Antillocoris pilosulus** (Stål)

Stål, Enum. Hemip., iv, p. 158, 1874, *Salacia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894, *Salacia* (part).
Bergroth, Revue d'Ent., xiv, p. 143, 1895, *Cligenes.*
Bueno, Can. Ent., xliv, p. 212, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 516, 1914, *Salacia.*
Localities: N. Y., N. J., Texas.

579. **Antillocoris pallidus** (Uhl.)

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 187, *Pygaeus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, viii, p. 497, 1901, *Pygaeus.*
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904, *Pygaeus.*
Van Duzee, Can. Ent., xli, p. 373, 1909, *Pygaeus.*
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910. *Pygaeus.*

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 516, 1914, *Pygaeus.*
Parshley, Psyche, xxi, p. 146, 1914, *Cligenes.*
†*pilosulus* (Van Duzee), Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894, *Salacia.*
†*picturata* (Uhler), Proc. Zool. Soc. Lond. for 1894, p. 188, *Salacia.*
minutus (Bergroth), Revue d'Ent., xiv, p. 144, 1895, *Cligenes.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 30, 1910, *Cligenes.*
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910, *Cligenes.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Md., Fla., Texas.

580. **Antillocoris punctatus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 406, 1893, *Salacia?*
Banks, Cat. Nearc. Hemip., p. 63, 1910.
Locality: Texas.

Genus **Rhyparochromus** Curt.
Orthotype *chiragra* (Fabr.)

Curtis, Br. Ent., xiii, pl. 612, 1836 (names *chiragra* type).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (part).
Amyot and Serville, Hémip., p. 253, 1843.
Dallas, List of Hemip., ii, p. 560, 1852.
Stål, Of. Vet. Akad. Forh., xix, pp. 212, 220, 1862; xxix, No. 7, p. 52, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 215, 1882.
Megalonotus Fieber, Europ. Hemip., pp. 47, 181, 1861.

581. **Rhyparochromus sodalicus** (Uhl.)

Uhler, Wheeler's Surv. 100th Merid., v, p. 835, pl. 42, fig. 2, 1875, *Megalonotus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893, *Megalonotus.*
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 75, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Localities: Texas, Utah, Nev., Calif., Ore.

582. **Rhyparochromus angustatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 74, 1910.
Van Duzee, Univ. Calif. Publ., Ent. Tech. Bul., i, p. 234, 1916.
Localities: Wash., Vanc. Isd., Calif.

583. (See No. 460½, **Lygaeosoma tripunctata**)

Genus **Plinthisus** Fieb.
Logotype *brevipennis* (Latr.)

¶Stephens, Syst. Cat. Brit. Ins., p. 343, 1829.
Fieber, Europ. Hemip., pp. 46, 177, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 217, 1862.
Douglas and Scott, Brit. Hemip., p. 211, 1865.
Thomson, Opusc. Ent., Fasc. ii, p. 186, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 53, 1872.
Horvath, Verh. Zool. Bot. Ges. Wien, xxvi, p. 724, 1876.
Puton, Synop. Heter. Fr., i, p. 41, 1878.
Horvath, Revue d'Ent., v, p. 215, 1886.
Oshanin, Kat. Palae. Hemip., p. 35, 1912. (Names *brevipennis* type.)
†*Lamprodema* Distant, Fauna Brit. Ind., Rhyn., ii, p. 71, 1903.

584. **Plinthisus americanus** Van D.
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 75, 1910.
Localities: Ont., N. H.

Genus **Peritrechus** Fieb.
Logotype *angusticollis* (Sahlbg.)

Fieber, Europ. Hemip., pp. 48, 183, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 218, 1862.
Douglas and Scott, Brit. Hemip., p. 187, 1865.
Thomson, Opusc. Ent., Fasc. ii, p. 191, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 54, 1872.
Puton, Synop. Heter. Fr., i, p. 43, 1878.
Distant, Fauna Br. Ind., Rhyn., ii, p. 75, 1902.
Oshanin, Kat. Palae. Hemip., p. 36, 1912 (cites *angusticollis* as type).
Pasatus Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 54, 1872. (Haplotype [*luniger* Schill.)
†*Ischnodemus* Provancher, Pet. Faune Ent. Can., iii, p. 75, 1886.

585. **Peritrechus fraternus** Uhl.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 103, 1871.
Stål, Enum. Hemip., iv, p. 167, 1872.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1327.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 391, 1878.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894.
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
†*falicus* (Provancher), Pet. Faune Ent. Can., iii, p. 75, 1886, *Ischnodemus*.
Localities: Quebec, Ont., Mass., N. Y., N. J., Kan., Colo., N. Mex., Calif., Idaho.

586. **Peritrechus paludemaris** Barb.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 516, 1914.
Localities: N. Y., Md., Fla.

587. **Peritrechus tristis** Van D.
Van Duzee, Ent. News, xvii, p. 388, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Localities: Calif., Wash., Vanc. Isd.

Genus **Stignocoris** D. & S.
Logotype *rusticus* Fall.

Douglas and Scott, Brit. Hemip., p. 213, 1865 (n.n. for *Stygnus* Fieb.).
Oshanin, Verz. Palae. Hemip., i, p. 333, 1906.
Oshanin, Kat. Palae. Hemip., p. 35, 1912.
†*Aphanus* Dallas, List of Hemip., ii, p. 558, 1852.
‖*Stygnus* Fieber, Europ. Hemip., pp. 49, 186, 1861. (Type *rusticus* Fall.)
Thomson, Opusc. Ent., Fasc. ii, p. 188, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 53, 1872.
Puton, Synop. Heter. Fr., i, p. 43, 1878.
Stethatropis Fieber, Verh. Zool.-Bot. Ges. Wien, xx, p. 245, 1870. (Haplotype *incana* Fieb. = *rusticus* Fall.)

588. **Stignocoris rusticus** (Fall.)

Fallén, Monog. Cimic. Suec., p. 70, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 64, 1829, *Lygaeus.*
Schilling, Beit. z. Ent., i, p. 81, pl. 7, fig. 5, 1829, *Pachymerus.*
Hahn, Wanz. Ins., i, p. 223, fig. 116, 1831, *Pachymerus.*
Herrich-Schaeffer, Nomen. Ent., i, pp. 46, 80, 1835, *Aphanus.*
Dallas, List of Hemip., ii, p. 558, 1852, *Aphanus.*
Flor, Rhyn. Livl., i, p. 241, 1860, *Pachymerus.*
Fieber, Europ. Hemip., p. 186, 1861, *Stygnus.*
Douglas and Scott, Brit. Hemip., p. 214, pl. 7, fig. 9, 1865.
Puton, Synop. Heter. Fr., i, p. 53, 1878, *Stygnus.*
Reuter, Ent. Tidskr., ii, p. 91, 1881.
Saunders, Hemip. Heter. Br. Isds., p. 93, 1892, *Stygnus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908. [*Stethotropis.*
incana (Fieber), Ver. Zool.-Bot. Ges. Wien, xx, p. 245, pl. 5, fig. 3, 1870,
Localities: Quebec. (Palaearctic.)

TRIBE *BEOSINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 54, 1872, Div. *Beosaria.*
Stål, Enum. Hemip., iv, p. 158, 1874, Div. *Beosaria.*
Puton, Synop. Heter. Fr., i, p. 37, 1878.
Reuter, Revue d'Ent., iv, p. 217, 1885.
Aphanaria Distant, Fauna Br. Ind., Rhyn., ii, p. 78, 1903 (Division).
Oshanin, Verz. Palae. Hemip., i, p. 343, 1906.
Oshanin, Kat. Palae. Hemip., p. 36, 1912.

Genus **Trapezonotus** Fieb.
Logotype *agrestis* (Fall.) = *arenarius* (Linn.)

Fieber, Europ. Hemip., pp. 50, 190, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 220, 1862.
Douglas and Scott, Brit. Hemip., p. 190, 1865.
Thomson, Opusc. Ent., Fasc. ii, p. 197, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 55, 1872.
Stål, Enum. Hemip., iv, pp. 158, 159, 1874 (section *aa*).
Puton, Synop. Heter. Fr., i, p. 57, 1878 (part).
Distant, Biol. Centr. Am., Heter., i, p. 216, 1882
Reuter, Revue d'Ent., iv, p. 218, 1885.
Oshanin, Kat. Palae. Hemip., p. 36, 1912 (names *arenarius* type).
Gnopherus Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 55, 1872. (Haplo- [type *nigripes* Fieb. = *anorus* Flor.

589. **Trapezonotus arenarius** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 448, 1758, *Cimex.*
Linnaeus, Fauna Suec., edn. Alt., p. 254, 1761, *Cimex.*
Houttuin, Natur. Hist., i, x, p. 368, 1765, *Cimex.*
Muller, Linné's Natursystem, v, p. 500, 1774, *Cimex.*
Fabricius, Syst. Ent., p. 723, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 218, 1778, *Cimex.*
Schrank, Enum. Inst. Austr., p. 286, 1781, *Cimex.*
Fabricius, Ent. Syst., iv, p. 170, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 233, 1803, *Lyageus.*

Reuter, Rev. Synon., p. 380, No. 361, 1888, *Cimex.*
Oshanin, Verz. Palae. Hemip., i, p. 346, 1906.
Oshanin, Kat. Palae. Hemip., p. 37, 1912.
†*sylvaticus* (Panzer), Fauna Germ., xciii, fig. 16, 1805, *Lygaeus.*
agrestis (Fallén), Monog. Cimic. Suec., p. 66, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 478, 1828, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 55, 1829, *Lygaeus.*
Schilling, Beit. z. Ent., i, p. 70, 1829, *Pachymerus.*
Hahn, Wanz. Ins., i, p. 25, fig. 15, 1831, *Pachymerus.*
Herrich-Schaeffer, Nomen. Ent., i, pp. 45, 78, 1835, *Pachymerus.*
Zetterstedt, Ins. Lapp., column 263, 1840, *Lygaeus.*
Costa, Cimic. Reg. Neap., ii, p. 34, 1843, *Pachymerus.*
Dallas, List of Hemip., ii, p. 564, 1852, *Rhyparochromus.*
Flor, Rhyn. Livl., i, p. 265, 1860, *Pachymerus.*
Fieber, Europ. Hemip., p. 191, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 220, 1862; xxix, No. 7, p. 56, 1872.
Puton, Synop. Heter. Fr., i, p. 59, 1878.
Reuter, Rev. Synon., p. 196, No. 139, 1888.
Horvath, Revue d'Ent., xvii, p. 276, 1898.
psammobius Garbiglietti, Bul. Soc. Ent. Ital., i, p. 117, 1869.
Localities: Quebec, Mass. (Palaearctic.)

590. **Trapezonotus rufipes** Stål

Stål, Enum. Hemip., iv, p. 159, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876.
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910, *Sphragisticus.*
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
Localities: N. J., Texas.

591. **Trapezonotus(?) caliginosus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 216, pl. 20, fig. 3, 1882.
Banks, Cat. Nearc. Hemip., p. 68, 1910.
Localities: "S. W. States" (Banks). (Cent. Am.)

Genus **Sphragisticus** Stål
Logotype *nebulosus* Fall.

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 55, 1872.
Stål, Enum. Hemip., iv, p. 158, 1874 (as subgenus).
Reuter, Revue d'Ent., iv, p. 218, 1885 (restricts to *nebulosus*).
Oshanin, Kat. Palae. Hemip., p. 37, 1912 (names *nebulosus* type).

592. **Sphragisticus nebulosus** (Fall.)

Fallén, Monog. Cimic. Suec., p. 65, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 54, 1829, *Lygaeus.*
Schilling, Beit. z. Ent., i, p. 69, pl. 6, fig. 5, 1829, *Pachymerus.*
Hahn, Wanz. Ins., i, p. 46, fig. 29, 1831, *Pachymerus.*
Herrich-Schaeffer, Nomen. Ent., i, pp. 45, 79, 1835, *Pachymerus.*
Zetterstedt, Ins. Lapp., column 263, 1840, *Lygaeus.*
Dallas, List of Hemip., ii, p. 564, 1852, *Rhyparochromus.*
Flor, Rhyn. Livl., i, p. 268, 1860, *Pachymerus.*
Fieber, Europ. Hemip., p. 190, 1861, *Trapezonotus.*
Stål, Of. Vet. Akad. Forh., xix, p. 220, 1862, *Trapezonotus.*

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 55, 1872.
Stål, Enum. Hemip., iv, p. 159, 1874, *Trapezonotus.* [*Trapezonotus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876; iii, p. 412, 1877,
Uhler, Wheeler's Rept. Chief. Eng. for 1877, *Trapezonotus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 505, 1878, *Trapezonotus.*
Puton, Synop. Heter. Fr., i, p. 58, 1878, *Trapezonotus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 243, 1894, *Trapezonotus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 174, 1894, *Trapezonotus.*
Gillette and Baker, Hemip. Colo., p. 25, 1895, *Trapezonotus.*
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Parshley, Psyche, xxi, p. 146, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.
fallax (Say), Heter. N. Harm., p. 17, 1832; Fitch reprint, p. 778; Compl. [Writ., i, p. 334, *Pamera.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 407, 1872, *Rhyparo-*
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893, *Pamera.* [*chromus.*
Localities: Ont., Me., N. Y., N. J., Pa., Ill., Dak., Colo., Mont., Utah, Texas, N. Mex., Calif., Vanc. Isd., Br. Col. (Mexico, Palaearctic.)

Genus **Petissius** Dist.
Orthotype *assimilandus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 407, 1893.

593. **Petissius diversus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 407, pl. 35, fig. 22, 1893, *Petissius?*
Banks, Cat. Nearc. Hemip., p. 67, 1910.
Localities: Fla., Texas. (Neotropical.)

Genus **Aphanus** Lap.
Orthotype *rolandri* (Linn.)

Laporte, Essai Classif. Syst. Hemip., p. 35, 1832 (n.n. for *Pachymerus*).
Brullé, Hist. Nat. des Ins., ix, p. 387, 1835.
Spinola, Essai sur les Hémip., p. 238, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 132, 1840.
Horvath, Ann. Mus. Natl. Hung., vi, p. 562, 1908.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 122, 1910 (names *pedester* pseudotype).
‖*Pachymerus* Lepeletier and Serville, Encyc. Méth., x, p. 322, 1825 (Logo- [type *rolandri* Linn.).
Latreille, Fam. Nat. Règne Anim., p. 422, 1825 (French *Pachymere*).
Latreille, *in* Cuvier, Règne Animal, edn. 2, v, p. 198, 1829 (French
Schilling, Beit. z. Ent., i, pp. 37, 64, 1829. [*Pachymere*).
Hahn, Wanz. Ins., i, p. 37, 1831.
Herrich-Schaeffer, Nomen. Ent., i, pp. 36, 78, 1835.
Burmeister, Handb. d. Ent., ii, p. 293, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 163, 1836, *Pachy-*
Spinola, Tavola Sinot., p. 37, 1850. [*mera.*
Flor, Rhyn. Livl., i, pp. 224, 236, 1860.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 57, 1872.
Stål, Enum. Hemip., iv, p. 160, 1874.
Puton, Synop. Heter. Fr., i, p. 58, 1878.

Pamera Say, Heter. N. Harm., p. 15, 1832; Fitch reprint, p. 776; Compl. [Writ., i, p. 332 (n.n. for *Pachymerus* Lep.).
Kirkaldy, Entomol., xxxix, p. 256, 1906.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 122, 1910 (names *pedester*
Amyctus Gistel, Naturges. des Thierr., p. x, 1848. [pseudotype).
†*Calyptonotus* Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 57, 1872 (sub-
Reuter, Revue d'Ent., iv, pp. 218, 221, 1885. [genus).
Oshanin, Verz. Palae. Hemip., i, p. 348, 1906.
Kirkaldy, Entomol., xxxix, p. 256, 1906 (names *rolandri* type).
Oshanin, Kat. Palae. Hemip., p. 37, 1912. [*illuminatus* Dist.).
‖*Dorachosa* Distant, Biol. Centr. Am., Heter., i, p. 409, 1893 (Haplotype
Delochilocoris Bergroth, Revue d'Ent., xii, p. 154, 1893 (n.n. for *Dorachosa*).

594. **Aphanus umbrosus** (Dist.)

Distant, Biol. Cent. Am., Heter., i, p. 409, 1893 (var.? of *Dorachosa illumin-*
Bergroth, Revue d'Ent., xii, p. 154, 1893, *Delochilocoris.* [*atus* Dist.).
Horvath, Ann. Mus. Natl. Hung., vi, p. 561, 1908 (a species distinct).
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
†*carbonaria* (Uhler), Check List, p. 15, 1886, *Microtoma.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Microtoma.*
†*atrata* (Van Duzee), Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894, *Microtoma.*
†*illuminatus* (Gillette and Baker), Hemip. Colo., p. 26, 1895, *Rhyparochromus.*
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904, *Delochilocoris.*
Localities: Ont. Mass., N. Y., N. J., Pa., D. C., Fla., Kan., Colo., Texas, Ariz., Calif.

595. **Aphanus compactus** (Uhl.)

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904, *Rhyparochromus.*
Locality: N. Mex.

Genus **Uhleriola** Horv.
Orthotype *floralis* (Uhl.)

Horvath, Ann. Mus. Natl. Hung., vi, p. 562, 1908.

596. **Uhleriola floralis** (Uhl.)

Uhler, Hemip. Colo., p. 26, 1895, *Rhyparochromus.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, 178, 1906, *Rhyparochromus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 563, 1908.
Localities: Colo., Ariz.

TRIBE *GONIANOTINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 58, 1872, Div. *Gonianotaria.*
Puton, Synop. Heter. Fr., i, p. 37, 1878, Div. *Gonianotaria.*
Oshanin, Verz. Palae. Hemip., i, p. 364, 1906, Div. *Gonianotaria.*
Oshanin, Kat. Palae. Hemip., p. 38, 1912, Div. *Gonianotaria.*

Genus **Emblethis** Fieb.
Logotype *platychilus* Fieb. = *verbasci* (Fabr.)

Fieber, Europ. Hemip., pp. 51, 197, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 222, 1862 (as subgen. of *Gonianotus* Fieb.)
Thompson, Opusc. Ent., ii, p. 195, 1870.

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 59, 1872.
Puton, Synop. Heter. Fr., i ,p. 66, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 77, 1886.
Oshanin, Kat. Palae. Hemip., p. 38, 1912 (names *verbasci* type).

597. **Emblethis vicarius** Horv.

Horvath, Ann. Mus. Natl. Hung., vi, p. 563, 1908.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 30, 1910.
Smith, Cat. Ins N. J., edn. 3, p. 144, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 517, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Bueno, Psyche, xxii, p. 16, 1915.
†*arenarius* Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 407, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876; iii, p. 412, 1877.
Uhler, Check List, p. 15, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 77, 1886.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 362, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894.
Gillette and Baker, Hemip. Colo., p. 25, 1895. [*Gonianotus.*
†*marginepunctatus* (Uhler), Proc. Bost. Soc. Nat. Hist., xix, p. 392, 1878, Distant, Biol. Centr. Am., Heter., i, p. 218, 1882, *Gonianotus.*
Emblethis sp., Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908.
†*griseus* Bueno, Can. Ent., xli, p. 295, 1909.
Localities: Mass., N. Y., N. J., Ga., Fla., Ill., N. D., Wyom., Mont., Colo., Utah, Nev., Calif., Vanc. Isd. (Mexico.)

TRIBE *LETHIINI* (Stål)

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 59, 1872, Div. *Lethaearia.*
Stål, Enum. Hemip., iv, p. 163, 1874, Div. *Lethaeria.*
Oshanin, Verz. Palae. Hemip., i, p. 370, 1906, Div. *Lethaeria.*
Oshanin, Kat. Palae. Hemip., p. 39, 1912, Tribe *Lethaeria.*
Drymaria Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 59, 1872 (Division).
Puton, Synop. Heter. Fr., i, p. 38, 1878 (Division).

Genus Drymus Fieb.
Logotype *pilipes* Fieb.

Fieber, Europ. Hemip., pp. 46, 178, 1861.
Stål, Of. Vet. Akad. Forh., xix, p. 211, 1862.
Douglas and Scott, Brit. Hemip., p. 196, 1865.
Thomson, Opusc. Ent., ii, p. 199, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 60, 1872.
Puton, Synop. Heter. Fr., i, p. 69, 1878.
Distant, Fauna Br. Ind., Rhyn., ii, p. 92, 1903. (Names *pilipes* type.)
Lampronotus Douglas and Scott, Ent. Mo. Mag., iv, p. 214, 1868.
Lamprolpax Douglas and Scott, Ent. Mo. Mag., iv, p. 265, 1868 (n.n. for *Drymocoris* Jakowlef, Troudy Ent. Ross., ix, p. 223, 1876. [*Lampronotus*).

598. **Drymus unus** (Say)

Say, Heter N. Harm., p. 16, 1832; Fitch reprint, p. 778; Compl. Writ., i, p. 333,
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876, *Megalonotus.* [*Pamera.*
Uhler, Check List, p. 15, 1886, *Megalonotus.*

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894, *Megalonotus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894, *Megalonotus.*
Gillette and Baker, Hemip. Colo., p. 24, 1895, *Pamera.*
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904, *Rhyparochromus.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908, *Rhaparochromus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 564, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 144, 1910.
Parshley, Psyche, xxi, p. 146, 1914.
Localities: Me., N. Y., N. J., Pa., Md., N. C., Ind., Colo., Texas.

599. **Drymus crassus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 76, 1910.
Localities: N. H., N. J., Pa., N. C.

Genus **Eremocoris** Fieb.
Logotype *erraticus* (Fabr.)

Fieber, Europ. Hemip., pp. 49, 187, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 219, 1862.
Douglas and Scott, Brit. Hemip., p. 176, 1865.
Thomson, Opusc. Ent., Fasc. ii, p. 200, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 60, 1872.
Stål, Enum. Hemip., iv, pp. 163, 164, 1874.
Puton, Synop. Heter. Fr., i, p. 63, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 218, 1882.
Horvath, Revue d'Ent., ii, p. 1, 1883 (monograph).
Provancher, Pet. Faune Ent. Can., iii, p. 80, 1886.
Distant, Fauna Br. Ind., Rhyn., v, p. 84, 1910 (names *erraticus* type).

600. **Eremocoris ferus** (Say)

Say, Heter. N. Harm., p. 16, 1832; Fitch reprint, p. 778; Compl. Writ., i, p. [333, *Pamera.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 103, 1871.
Stål, Enum. Hemip., iv, p. 164, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 391, 1878.
Horvath, Revue d'Ent., ii, p. 9, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 81, 1886.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 244, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894.
Gillette and Baker, Hemip. Colo., p. 26, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 145, 1910.
Distant, Fauna Br. Ind., Rhyn., v, p. 84, 1910.
Parshley, Psyche, xxi, p. 146, 1914.
borealis (Dallas), List of Hemip., ii, p. 565, 1852, *Rhyparochromus.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Md., N. C., S. C., Ill., Colo., Mont., Utah, Texas, Calif.(?).

601. **Eremocoris inquilinus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 10, 1914.
Locality: Calif.

602. **Eremocoris obscurus** Van D.

Van Duzee, Ent. News, xvii, p. 388, 1906.
Localities: Vanc. Isd., Calif.

603. **Eremocoris wrighti** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 9, 1914.
Locality: Calif.

Genus **Xestocoris** Van D.
Haplotype *nitens* Van D.

Van Duzee, Ent. News, xvii, p. 389, 1906.
Van Duzee, Can. Ent., xli, p. 384, 1909 (citing *nitens* as type).

604. **Xestocoris nitens** Van D.

Van Duzee, Ent. News, xvii, p. 390, 1906.
Parshley, Psyche, xxi, p. 146, 1914.
?†*collina* (Banks), Cat. Nearc. Hemip., p. 67, 1910, *Rhaptus*.
Localities: Me., N. Y.

Genus **Gastrodes** Westw.
Logotype *abietis* Linn.

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (n.n. for *Platy-*
[*gaster* Schill., names *abietis* type.)
Douglas and Scott, Brit. Hemip., p. 165, 1865.
Puton, Synop. Heter. Fr., i, p. 69, 1878.
Oshanin, Verz. Palae. Hemip., i, p. 386, 1906.
Oshanin, Kat. Palae. Hemip., p. 40, 1912.
‖*Platygaster* Schilling, Beit. z. Ent., i, p. 82, 1829.
Herrich–Schaeffer, Nomen. Ent., i, pp. 36, 45, 1835.
Dallas, List of Hemip., ii, p. 581, 1852.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 62, 1872.
Stål, Enum. Hemip., iv, p. 164, 1874.
Provancher, Pet. Faune Ent. Can., iii, p. 205, 1889.
Ancylopus Flor, Rhyn. Livl., i, p. 232, 1860 (n.n. for *Platygaster*).
Homalodema Fieber, Europ. Hemip., pp. 49, 187, 1861 (n.n. for *Platy-*
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 218, 1862. [*gaster*).

605. **Gastrodes ferrugineus** (Linn.)

?Scopoli, Ent. Carn., p. 130, 1863, *Cimex*.
Linnaeus, Syst. Nat., edn. 12, p. 730, 1867, *Cimex*.
Muller, Linne's Natursys., v, p. 501, 1774, *Cimex*.
Goeze, Ent. Beytr., ii, p. 220, 1778, *Cimex*.
Turton edn., Linnaeus, Syst. Nat., edn. 13, ii, pt. 1, p. 671, 1806, *Cimex*.
Schilling, Beit. z. Ent., i, p. 82, pl. 7, fig. 7, 1829, *Platygaster*.
Hahn, Wanz. Ins., iii, p. 34, fig. 254, 1835, *Platygaster*.
Amyot and Serville, Hémip., p. 251, 1843, *Platygaster*.
Dallas, List of Hemip., ii, p. 581, 1852, *Platygaster*.
Flor, Rhyn. Livl., i, p. 235, 1860, *Pachymerus* subg. *Ancylopus*.
Fieber, Europ. Hemip., p. 187, 1861, *Homalodema*.
Stål, Of. Vet. Akad. Forh., xix, p. 219, 1862, *Homalodema*.
Douglas and Scott, Brit. Hemip., p. 168, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 62, 1872, *Platygaster*.
Puton, Synop. Heter. Fr., i, p. 80, 1878.

Saunders, Hemip. Heter. Br. Isds., p. 118, pl. 10, fig. 10, 1892.
Oshanin, Verz. Palae. Hemip., i, p. 387, 1906.
Banks, Cat. Nearc. Hemip., p. 64, 1910.

grossipes (De Geer), Memoirs, iii, p. 308, pl. 15, figs. 20, 21, 1773, *Cimex.*
Reuter, Rev. Synon., p. 213, No. 163, 1888.

†*abietis* (Retzius), Genera Spec. Ins., p. 88, 1783, *Cimex.*
Schrank, Fauna Boic., p. 84, 1801, *Cimex.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 218, 1804, *Lygaeus.*
Fallén, Monog. Cimic. Suec., p. 68, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 61, 1829, *Lygaeus.*
Burmeister, Handb. d. Ent., ii, p. 295, 1835, *Pachymerus.*
Zetterstedt, Ins. Lapp., column 264, 1840, *Lygaeus.*
Localities: "N. States" (Banks).

606. **Gastrodes pacificus** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 205, 1889, *Platygaster.*
Locality: Vanc. Isd.

Genus **Cistalia** Stål
Logotype *signoreti* Guer.

Stål, Enum. Hemip., iv, pp. 164, 165, 1874.

607. **Cistalia signoreti** (Guer.)

Guerin, *in* Sagra, Hist. de Cuba, Ins., p. 296, 1857, *Lygaeus.*
Stål, Enum. Hemip., iv, p. 165, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876.
Localities: Texas, Nev., Calif. (West Indies.)

Genus **Cryphula** Stål
Haplotype *parallelogramma* Stål

Stål, Enum. Hemip., iv, pp. 164, 165, 1874.

608. **Cryphula parallelogramma** Stål

Stål, Enum. Hemip., iv, p. 165, 1874.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 311, 1876.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 354, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 145, 1910.
Localities: N. Y., N. J., Kan., Texas, N. Mex.

Genus **Esuris** Stål
Haplotype *tigrina* Stål

Stål, Enum. Hemip., iv, pp. 164, 166, 1874.
Distant, Biol. Centr. Am., Heter., i, p. 410, 1893.
Barber, Jl. N. Y. Ent. Soc., xix, p. 27, 1911.

609. **Esuris castanea** Barb.

Barber, Jl. N. Y. Ent. Soc., xix, p. 27, 1911.
Locality: Ariz.

Genus **Scolopostethus** Fieb.
Logotype *cognatus* Fieb.

Fieber, Europ. Hemip., pp. 49, 188, 1861.
Stål, Of. Vet. Akad. Forh., xix, pp. 211, 219, 1862.
Douglas and Scott, Brit. Hemip., p. 181, 1865.
Thomson, Opusc. Ent., Fasc. ii, p. 200, 1870.

Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 60, 1872.
Puton, Synop. Heter. Fr., i, p. 69, 1878.
Horvath, Ent. Mo. Mag., xxvii, p. 116, 1891.
Horvath, Revue d'Ent., xi, p. 253, 1892; xii, p. 238, 1893.
Distant, Fauna Br. Ind., Rhyn., ii, p. 92, 1903 (names *cognatus* Fieb. type).
Horvath, Ann. Mus. Natl. Hung., ix, p. 337, 1911.
Oshanin, Kat. Palae. Hemip., p. 39, 1912 (names *pictus* Schill. type).
Bueno, Ent. News, xxviii, p. 65, 1917.

?Tritomacera Costa, Ann. Soc. Ent. Fr., Ser. 1, x, p. 296, 1841. (Type [*aphanoides* Costa.)

Manatanus Distant, Ann. Mag. Nat. Hist., Ser. 8, iii, p. 494, 1909. (Hap-
Distant, Fauna Br. Ind., Rhyn., v, p. 86, 1910. [lotype *montanus* Dist.)

610. **Scolopostethus thomsoni** Reut.

Reuter, Ann. Soc. Ent. Fr., Ser. 5, iv, p. 562, 1874.
Horvath, Ent. Mo. Mag., xxvii, p. 118, 1891.
Horvath, Revue d. Ent., xi, p. 254, 1892.
Van Duzee, Ent. News, v, p. 108, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 175, 1894.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 505, 1900.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 178, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 145, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 234, 1916.

†*decoratus* (Thomson), Opusc. Ent., Fasc. ii, p. 201, 1870, *Lygaeus.*

adjunctus Horvath, Monog. Lygaeid., p. 87, 1875.
Puton, Synop. Heter. Fr., i, p. 75, 1878.
Reuter, Ent. Tidskr., ii, p. 82, 1881.

neglectus Edwards, Ent. Mo. Mag., xxv, p. 279, 1889 (as var.).
Saunders, Hemip. Heter. Br. Isds., p. 112, 1892.

†*affinis* Van Duzee, Psyche, v, p. 240, 1889.

Localities: N. Y., N. J., Colo., Ariz., Calif., Alaska.

611. **Scolopostethus atlanticus** Horv.

Horvath, Revue d'Ent., xii, p. 239, 1893.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 30, 1910.

Localities: N. H., Mass., N. Y., N. J., Wash., Vanc. Isd.

612. **Scolopostethus diffidens** Horv.

Horvath, Revue d'Ent., xii, p. 240, 1893.
Smith, Cat. Ins. N. J., edn. 3, p. 145, 1910.
Parshley, Psyche, xxi, p. 146, 1914.

†*nodosus* (Provancher), Pet. Faune Ent. Can., iii, p. 77, 1886, *Plociomerus.*

Localities: Quebec, Me., Mass., N. J., Idaho, Calif.

613. **Scolopostethus tropicus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 218, pl. 20, fig. 7, 1882, *Eremocoris.*
?Gillette and Baker, Hemip. Colo., p. 26, 1895, *Eremocoris* (probably is *thom-*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 10, 1914. [*soni*).

Localities: Calif. (Guatemala).

Rhyparochromus armatipes Walker = **Dieuches armipes** Fabr. (Not American.)

PHALYNX *PYRRHOCORIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 76, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 31, 49, 1912.

Family **PYRRHOCORIDAE** Fieb.

Fieber, Europ. Hemip., pp. 25, 43, 1860; p. 162, 1861.
Stål, Of. Vet. Akad. Forh., xviii, p. 195, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Pyrrhocorida.*
Stål, Berl. Ent. Zeit., vii, p. 390, 1863, *Pyrrhocorida.*
Stål, Hemip. Afr., iii, p. 1, 1865, *Pyrrhocorida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 130, 1868, *Pyrrhocorida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 665, 1870, *Pyrrhocorina.*
Stål, Enum. Hemip., i, p. 90, 1870, *Pyrrhocorina.* [the *Lygaeidae*).
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 62, 1872, *Pyrrhocorina* (subfam. of
Stål, Enum. Hemip., iv, p. 167, 1874, *Pyrrhocorina* (subfam. of the *Lygaeidae*).
Distant, Biol. Centr. Am., Heter., i, p. 220, 1882, *Pyrrhocoridae.*
Uhler, Stand. Nat. Hist., ii, p. 287, 1884, *Pyrrhocoridae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 31, 1886, Tribe *Pyrrhocorini.*
Uhler, Check List, p. 16, 1886, *Pyrrhocoridae.*
Lethierry and Séverin, Cat. Génl. Hémip., ii, p. 237, 1894, *Pyrrhocoridae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 94, 1903, *Pyrrhocoridae.*
Oshanin, Verz. Palae. Hemip., i, p. 387, 1906, *Pyrrhocorina* (subfam. of the
Kirkaldy, Can. Ent., xl, p. 360, 1908, *Pyrrhocoridae.* [*Lygaeidae*).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 83, 1910, *Pyrrhocoridae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 58, 1912,
Oshanin, Kat. Palae. Hemip., p. 26, 1912, *Pyrrhocoridae.* [*Pyrrhocoridae.*

Cecigenes Amyot and Serville, Hémip., pp. xxxviii, 265, 1843.
Dohrn, Cat. Hemip., p. 36, 1859, *Cecigenae.*
Flor, Rhyn. Livl., i, p. 209, 1860, *Coecigena.*
Douglas and Scott, Brit. Hemip., pp. 19, 163, 1865, *Coecigenina.*
Astemmoideae Spinola, Tavola Sinot., p. 38, 1850.

Subfamily **EURYOPHTHALMINAE** Van D.

Van Duzee, Check List Hemip., p. 24, 1916.
Largides Amyot and Serville, Hémip., pp. xxxviii, 273, 1843.
Dohrn, Cat. Hemip., p. 37, 1859, *Largidae.*
Stål, Hemip. Afr., iii, p. 1, 1865, *Largida.*
Stål, Enum. Hemip., i, p. 90, 1870, *Largina.*
Walker, Cat. Heter., v, pp. 163, 165, 1872, *Largidae.*
Berg, Hemip. Argent., p. 112, 1879, *Largina.*
Distant, Biol. Centr. Am., Heter., i, p. 220, 1882, *Larginae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 237, 1894, *Largidae.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 94, 1903, *Larginae.*
Oshanin, Verz. Palae. Hemip., i, p. 392, 1906, Div. *Largaria.*
Banks, Cat. Nearc. Hemip., p. 69, 1910, *Larginae.*
Oshanin, Kat. Palae. Hemip., p. 26, 1912, *Larginae.*

Genus **Euryophthalmus** Lap.
Orthotype *puncticollis* Lap. = *lunaris* (Gmel.)

Laporte, Essai Classif. Syst. Hémip., p. 38, 1832.
Kirkaldy, Entomol. xxxiv, pp. 176, 219, 1801.
Van Duzee, Check List Hemip., p. 24, 1916.
¶*Largus* Hahn, Wanz. Ins., i, p. 13, 1831.
Largus Burmeister, Handb. d. Ent., ii, p. 281, 1835.

Spinola, Essai sur les Hémip., p. 179, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., iv, p. 127, 1840.
Amyot and Serville, Hémip., p. 273, 1843.
Herrich–Schaeffer, Wanz. Ins., vii, p. 6, 1844.
Spinola, Tavola Sinot., p. 39, 1850.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 174, 180, 1853.
Stål, Of. Vet. Akad. Forh., xviii, p. 195, 1861.
Stål, Hemip. Afr., iii, p. 1, 1865.
Stål, Enum. Hemip., i, pp. 90, 91, 1870.
Walker, Cat. Heter., v, pp. 164, 165, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 220, 1882.
Acinocoris Hahn, Wanz. Ins., ii, p. 113, 1834. (Haplotype *calidus* Fabr. [=*lunaris* Gmel.)
Brullé, Hist. des Ins., ix, p. 384, 1835 (cites *calidus* as type).
Blanchard, Hist. des Ins., Hemip., p. 123, 1840.
Astemma Brullé, Hist. des Ins., ix, p. 383, 1835, part. [*abdominalis* Sign.).
Lecadra Signoret, Ann. Soc. Ent. Fr., Ser. 4, ii, p. 582, 1862 (type

614. **Euryophthalmus lunaris** Gmel.

Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2178, 1788, *Cimex.*
‖*lunatus* Fabricius, Mantissa Ins., ii, p. 302, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 167, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 232, 1803, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 81, 1868, *Acinocoris.*
Stål, Enum. Hemip., i, p. 92, 1870, *Largus.*
Walker, Cat. Heter., vi, p. 37, 1873, *Acinocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876, *Acinocoris.*
Berg, Hemip. Argent., p. 112, 1879, *Largus.*
Distant, Biol. Centr. Am., Heter., i, p. 221, 1882, *Largus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 247, 1894, *Acinocoris.*
calidus Fabricius, Syst. Rhyng., p. 230, 1803, *Lygaeus.*
Hahn, Wanz. Ins., ii, p. 114, fig. 194, 1834, *Acinocoris.*
Blanchard, Hist. des Ins., Hemip., p. 128, 1840, *Acinocoris.*
lunulatus Fabricius, Syst. Rhyng., emend, at end of vol., 1803, *Lygaeus.*
Burmeister, Handb. d. Ent., ii, p. 282, 1835, *Largus.*
Blanchard, Hist. des Ins., Hemip., p. 127, 1840, *Largus.*
interruptus Herrich–Schaeffer, Wanz. Ins., ix, p. 181, fig. 978, 1853, *Largus.*
Localities: Calif. (Neotropical.)

615. **Euryophthalmus cinctus** (H. S.)

Herrich–Schaeffer, Wanz. Ins., vii, p. 6, fig. 683, 1844, *Largus.*
Uhler, Proc. Acad. Nat. Sci. Phila., xii, p. 230, 1861, *Largus.*
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Largus.*
Stål, Enum. Hemip., i, p. 94, 1870, *Largus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876, *Largus.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1327, *Largus.*
Distant, Biol. Centr. Am., Heter., i, pp. 223, 1882, and 412, 1893, pl. 20, figs.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894, *Largus.* [16–19, *Largus.*
Gillette and Baker, Hemip. Colo., p. 28, 1895, *Largus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 355, 1904, *Largus.*
Barber, Brookl. Inst., Sci. Bul., p. 277, 1906, *Largus.*

Heidemann, Proc. Ent. Soc. Wash., xiii, p. 134, 1911 (egg), *Largus.*
succinctus var. a (Say), Heter. N. Harm., p. 20, 1832; Fitch reprint, p. [p. 783, *Capsus.*
Say, Compl. Writ., i, p. 338, *Capsus.*
varians Stål, Enum. Hemip., i, p. 94, 1870, *Largus.*
Localities: Colo., Texas, N. Mex., Ariz., Nev., Calif., Ore. (Neotropical.)

616. **Euryophthalmus convivus** (Stål)

Stål, Of. Vet. Akad. Forh., xviii, p. 196, 1861, *Largus.*
Stål, Enum. Hemip., i, p. 94, 1870, *Largus.*
Distant, Biol. Centr. Am., Heter., i, p. 222, pl. 20, figs. 13, 14, 1882, *Largus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 247, 1894, *Largus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, ix, p. 45, 1902, *Largus.*
Barber, Brookl. Inst., Sci. Bul., i, p. 277, 1906, *Largus.*
Bueno, Ent. News, xxiv, p. 22, 1913, *Largus.*
obtusus (Walker), Cat. Heter., vi, p. 33, 1873, *Largus.*
†*succinctus* Osborn, Trans. Ia. Acad. Sci., i, p. 120, 1893, *Largus.*
†*anchorago* Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 124, 1910, *Stiretrus* (young).
†*cinctus* Van D., Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914, *Largus.*
Localities: Texas, Calif. (Mexico.)

617. **Euryophthalmus succinctus** (Linn.)

Linnaeus, Cent. Ins. Rar., p. 17, 1763, *Cimex.*
Linnaeus, Syst. Nat., edn. 12, 1, pt. 2, p. 727, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 723, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 214, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 369, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 303, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2175, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 170, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 233, 1803, *Lygaeus.*
Burmeister, Handb. d. Ent., ii, p. 283, 1835, *Largus.*
Herrich–Schaeffer, Wanz. Ins., vi, p. 78, fig. 648, 1842, *Largus.*
Stål, Hemip. Fabr., i, p. 80, 1868, *Largus.*
Stål, Enum. Hemip., i, p. 94, 1870, *Largus.*
Uhler, Hayden's Surv. Terr. for 1871, p. 408, 1872, *Largus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876, *Largus.*
Uhler, Stand. Nat. Hist., ii, p. 288, 1884, *Largus.*
Lintner, 2d Rept. N. Y. St. Ent., p. 164, *Largus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 172, 1909, *Largus.*
Morrill, U. S. Dept. Agr., Bur. Ent. Bul., 86, p. 94, 1910, *Largus.*
Smith, Cat. Ins. N. J., edn. 3, p. 140, 1910, *Largus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914, *Largus.*
rubrocinctus (De Geer), Mémoires, iii, p. 339, pl. 34, fig. 19, 1773, *Cimex.*
Localities: N. J., Pa., Md., "Carolina," Va., Ga., Fla., Texas, Colo., Ariz.

618. **Euryophthalmus davisi** (Barb.)

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914, *Largus.*
Locality: Fla.

619. **Euryophthalmus bipustulatus** (Stål)

Stål, Of. Vet. Akad. Forh., xviii, p. 196, 1861, *Largus.*
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Largus.*

Stål, Enum. Hemip., i, p. 95, 1870, *Largus*.
Distant, Biol. Centr. Am., Heter., i, p. 223, pl. 20, figs. 20, 21, 1882, *Largus*.
socius (Stål), Of. Vet. Akad. Forh., xviii, p. 197, 1861, *Largus*.
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Largus*.
Stål, Enum. Hemip., i, p. 95, 1870, *Largus*.
pulverulentus (Walker), Cat. Heter., vi, p. 33, 1873, *Largus*.
Localities: Texas. (Mexico.)

620. **Euryophthalmus sellatus** (Guer.)

Guerin, *in* Sagra, Hist. de Cuba, Ins., p. 401, 1857, *Lygaeus*.
Stål, Enum. Hemip., i, p. 95, 1870, *Largus*.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914, *Largus*.
Localities: Fla. (West Indies.)

Genus **Stenomacra** Stål
Logotype *marginella* H. S.

Stål, Enum. Hemip., i, pp. 90, 97, 1870.
Walker, Cat. Heter., v, p. 165, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 226, 1883.

621. **Stenomacra marginella** (H. S.)

Herrich–Schaeffer, Wanz. Ins., ix, p. 182, 1853, *Largus*.
Stål, Of. Vet. Akad. Forh., xviii, p. 195, 1861, *Theraneis*.
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Theraneis*.
Stål, Enum. Hemip., i, p. 98, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 226, pl. 20, fig. 23, 1883.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
parallelus Herrich–Schaeffer, Wanz. Ins., ix, pl. 217, fig. 982, 1853, *Largus*.
Localities: Ariz., Calif. (Neotropical.)

622. **Stenomacra cliens** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862, *Theraneis*.
Stål, Enum. Hemip., i, p. 98, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 226, pl. 20, fig. 22, 1883.
Bergroth, Revue d'Ent., xi, p. 262, 1892.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
sallei Fallou, Revue d'Ent., x, p. 8, 1891.
†*marginella* Barber, Jl. N. Y. Ent. Soc., xviii, p. 37, 1910.
Localities: N. Mex., Ariz.

Genus **Arhaphe** H. S.
Haplotype *carolina* H. S.

Herrich–Schaeffer, Wanz. Ins., ix, pp. 175, 183, 1853.
Stål, Of. Vet. Akad. Forh., xviii, p. 195, 1861.
Stål, Hemip. Afr., iii, p. 2, 1865.
Stål, Enum. Hemip., i, pp. 90, 98, 1870.
Walker, Cat. Heter., v, pp. 164, 165, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 226, 1883.
§*Araphe* Uhler, Hayden's Surv. Terr. for 1870, p. 471, 1872.
Barber, Jl. N. Y. Ent. Soc., xix, p. 28, 1911. [Dist.).
Japetus Distant, Biol. Centr. Am., Heter., i, p. 227, 1883 (type *sphaeroides*

623. **Arhaphe carolina** H. S.

Herrich-Schaeffer, Wanz. Ins., ix, p. 183, fig. 968, 1853.
Stål, Enum. Hemip., i, p. 98, 1870.
Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872.
Distant, Biol. Centr. Am., Heter., i, p. 227, 1883.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Barber, Jl. N. Y. Ent. Soc., xix, p. 28, 1911 (*Araphe*).
Localities: "Carolina," Ga., Ariz.

624. **Arhaphe cicindeloides** Walk.

Walker, Cat. Heter., vi, p. 36, 1873.
Distant, Biol. Centr. Am., Heter., i, p. 227, pl. 21, fig. 2, 1883.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910; xix, p. 28, 1911.
Localities: Ariz. (Mexico.)

625. **Arhaphe mimetica** Barb.

Barber, Jl. N. Y. Ent. Soc., xix, p. 28, 1911.
Locality: Ariz.

Subfamily PYRRHOCORINAE (A. & S.)

Amyot and Serville, Hémip., pp. xxxviii, 265, 1843, Groupe *Pyrrhocorides.*
Dohrn, Cat. Hemip., p. 36, 1859, *Pyrrhocorida.*
Stål, Hemip. Afr., iii, pp. 1, 3, 1865, *Pyrrhocorida.* (Key.)
Douglas and Scott, Brit. Hemip., pp. 20, 163, 1865, *Pyrrhocoridae.*
Stål, Enum. Hemip., i, p. 101, 1870, *Pyrrhocorina.* (Key.)
Walker, Cat. Heter., v, p. 163, 1872, *Pyrrhocoridae.* (Key.)
Berg, Hemip. Argent., p. 114, 1879, *Pyrrhocorina.*
Distant, Biol. Centr. Am., Heter., i, p. 227, 1883, *Pyrrhocorinae.*
Lethierry and Severin, Cat. Génl. Hémip., ii, p. 243, 1894, *Pyrrhocoridae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 99, 1903, *Pyrrhocorinae.*
Oshanin, Verz. Palae. Hemip., i, p. 388, 1906, Div. *Pyrrhocoraria.*
Banks, Cat. Nearc. Hemip., p. 70, 1910, *Pyrrhocorinae.*
Oshanin, Kat. Palae. Hemip., p. 26, 1912, *Pyrrhocorinae.*

Genus **Pyrrhocoris** Fall.
Orthotype *apterus* Linn.

Fallén, Nova Meth. Hemip., p. 9, 1814.
Latreille, Fam. Nat. Reg. Anim., p. 421, 1825.
Fallén, Hemip. Suec., Cimic., p. 45, 1829.
Curtis, Brit. Ent., x, pl. 465, 1833.
Herrich-Schaeffer, Nomen. Ent., i, pp. 36, 43, 1835.
Burmeister, Handb. d. Ent., ii, p. 283, 1835 (part).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840.
Amyot and Serville, Hemip., p. 267, 1843.
Flor, Rhyn. Livl., i, p. 210, 1860.
Fieber, Europ. Hemip., pp. 43, 162, 1861 (part).
Stål, Of. Vet. Akad. Forh., xviii, p. 196, 1861.
Stål, Hemip. Afr., iii, p. 4, 1865.
Douglas and Scott, Brit. Hemip., p. 163, 1865.
Stål, Enum. Hemip., i, pp. 103, 115, 1870.
Stål, Of. Vet. Akad. Forh., xxix, No. 7, p. 62, 1872.

Walker, Cat. Heter., v, pp. 165, 167, 1872 (part).
Distant, Biol. Centr. Am., Heter., i, p. 228, 1883.
Distant, Fauna Br. Ind., Rhyn., ii, p. 116, 1903. [Linn.)
‖*Platynotus* Schilling, Beit. z. Ent., i, pp. 37, 57, 1829. (Haplotype *apterus*
Hahn, Wanz. Ins., ii, p. 9, 1834. [*Platynotus* Schill.).
Meganotus Laporte, Essai Classif. Syst. Hémip., p. 38, 1832 (n.n. for
†*Phytocorisa* Laporte, Essai Classif. Syst. Hémip., p. 83, 1832 (for *apterus*).
†*Lygaeus* Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 711, 1832,
†*Astemma* Spinola, Essai sur les Hémip., p. 178, 1837 (1840). [(for *apterus*).
Spinola, Tavola Sinot., p. 39, 1850.
Kirkaldy, Can. Ent., xli, p. 31, 1909 (names *apterus* pseudotype).
‖*Platycoris* Gistel, Naturges. des Tierr., p. 149, 1848 (type *apterus*).

626. **Pyrrhocoris apterus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 447, 1758, *Cimex.*
Poda, Ins. Graec., p. 58, 1861, *Cimex.*
Geoffroy, Hist. Abreg. des Ins., i, p. 440, 1762, *Cimex* (No. 11).
Scopoli, Ent. Carn., p. 127, 1763, *Cimex.*
Linnaeus, Syst. Nat., edn. 12, i, p. 727, 1767, *Cimex.*
De Geer, Mémoires, iii, p. 276, 1773, *Cimex.*
Fabricius, Syst. Ent., p. 721, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 213, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 366, 1781, *Cimex.*
Schrank, Ins. Austr., p. 281, 1781, *Cimex.*
Retzius, Genera Spec. Ins., p. 86, 1783, *Cimex.*
Fourcroy, Ent. Paris., p. 198, 1785, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 301, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., edn. i, pt. 4, p. 2172, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 161, 1794, *Lygaeus.*
Schrank, Fauna Boic., ii, p. 81, 1801, *Cimex.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 244, 1801, *Lygaeus.*
Wolff, Icon. Cimic., iii, p. 108, fig. 102, 1802, *Lygaeus.*
Walckenaer, Fauna Paris., ii, p. 346, 1802, *Ligaeus.*
Fabricius, Syst. Rhyng., p. 227, 1803, *Lygaeus.*
Latreille, Genera Crust. Ins., iii, p. 122, 1807, *Lygaeus.*
Latreille, Consid. Génl., p. 433, 1810 (as type of *Lygaeus*).
Fallén, Spec. Nova Hemip., Disp., p. 4, 1814 (as type of *Lygaeus*).
Lamarck, Hist. Nat. Anim. s. Verteb., iii, p. 496, 1816, *Lygaeus.*
Latreille, Fam. Nat. Règ. Anim., p. 421, 1825.
Fallén, Suppl. Cimic. Suec., p. 6, 1826.
Schilling, Beit. z. Ent., i, p. 57, 1829, *Platynotus.*
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 198, 1829, *Lygaeus.*
Hahn, Wanz. Ins., i, p. 19, fig. 11, 1831, *Platynotus.*
Laporte, Essai Classif. Syst. Hémip., p. 38, 1832, *Meganotus.*
Dufour, Rech. des Hémip., p. 170, 1833.
Curtis, Brit. Ent., x, pl. 465, 1833.
Herrich-Schaeffer, Nomen. Ent., p. 43, 1835.
Burmeister, Handb. d. Ent., ii, p. 286, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 383, 1835, *Astemma.*
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 163, 1836, *Lygaeus.*
Spinola, Essai sur les Hémip., p. 178, 1837 (1840), *Astemma.*
Costa, Cimic. Neap., Cent. i, p. 48, 1838, *Astemma.*

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840.
Blanchard, Hist. des Ins., Hémip., p. 129, pl. 5, fig. 1, 1840, *Astemma.*
Amyot and Serville, Hémip., p. 269, 1843.
Kolenati, Melet. Ent., ii, p. 69, 1845, *Platynotus.*
Flor, Rhyn. Livl., i, p. 212, 1860.
Fieber, Europ. Hemip., p. 163, 1861.
Douglas and Scott, Brit. Hemip., p. 164, 1865.
Stål, Enum. Hemip., i, p. 115, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 228, pl. 21, fig. 25, 1883.
Reuter, Revue d'Ent., iv, p. 231, 1885.
Reuter, Rev. Synon., p. 214, No. 164, 1888.
Kirkaldy, Can. Ent., xli, p. 31, 1909 (as type of *Astemma* Lep. & Serv.).
Barber, Jl. N. Y. Ent. Soc., xix, p. 111, 1911. [Linn.).
gregarius (Goeze), Ent. Beytr., ii, p. 213, 1778, *Cimex* (n.n. for *apterus* [Linn.).
calmariensis Fallén, Hemip. Suec., Cimic, p. 45, 1829 (n.n. for *apterus* [Linn.).

Localities: N. J. (Costa Rica, Europe, Asia, Africa.)

Genus **Dysdercus** Am. & Serv.
Haplotype *koenigii* Fabr. =*cingulatus* Fabr.

Amyot and Serville, Hémip., p. 272, 1843.
Stål, Of. Vet. Akad. Forh., xviii, p. 196, 1861.
Stål, Hemip. Afr., iii, pp. 4, 13, 1865.
Stål, Enum. Hemip., i, p. 117, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 229, 1883.
Distant, Fauna Br. Ind., Rhyn., ii, p. 118, 1903 (names *cingulatus* Fabr. type).
Kirkaldy, Entomol., xxxix, p. 256, 1906 (names *decussatus* type).
†*Astemma* Laporte, Essai Classif. Syst. Hémip., p. 37, 1832 (names *Koenigii* [Fabr. as type).
Blanchard, Hist. Nat. des Ins., Hémip., p. 128, 1840, part.
Piezodera Signoret, Ann. Soc. Ent. Fr., Ser. 3, viii, p. 953, 1861 (type [*ruber* Sign.).

627. **Dysdercus mimus** (Say)

Say, Heter. N. Harm., p. 20, 1832; Fitch reprint, p. 783; Compl. Writ., i, [p. 338, *Capsus.*
Stål, Stet. Ent. Zeit., xxiii, p. 316, 1862.
Stål, Enum. Hemip., i, p. 120, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 314, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 229, pl. 21, fig. 4, 1883.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
Barber, Brookl. Inst., Sci. Bul., i, p. 278, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, N., 5, p. 18, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.

Localities: Fla., Texas, Ariz., Calif.

628. **Dysdercus albidiventris** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 236, 1854. (*Dysderus* by error.)
Stål, Stet. Ent. Zeit., xxiii, p. 315, 1862 (excl. synon.).
Stål, Enum. Hemip., i, p. 127, 1870 (excl. synon.).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 314, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 229, pl. 21, figs. 5, 10, 1883.
lunulatus Uhler, Proc. Ent. Soc. Phila., i, p. 24, 1861.

Localities: Texas, Calif. (Neotropical.)

629. **Dysdercus concinnus** Stål

Stål, Of. Vet. Akad. Forh., xviii, p. 198, 1861.
Stål, Enum. Hemip., i, p. 121, 1870.
Distant, Biol. Centr. Am., Heter., i, p. 231, pl. 21, figs. 11, 12, 15, 1883.
Barber, Brookl. Inst., Sci. Bul., i, p. 277, 1906.
mundus Walker Cat. Heter., v, p. 181, 1872.
Localities: Texas. (Neotropical.)

630. **Dysdercus obliquus** H. S.

Herrich–Schaeffer, Wanz. Ins., vii, p. 19, fig. 701, 1844, *Pyrrhocoris.*
Stål, Stet. Ent. Zeit., xxiii, p. 316, 1862.
Stål, Enum. Hemip., i, p. 121, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 314, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
bimaculatus Stål, Of. Vet. Akad. Forh., xi, p. 236, 1854. (§*Dysderus.*)
Stål, Freg. Eugen. Resa, Ins., p. 253, 1859.
Localities: Ariz., Calif. (Neotropical.)

631. **Dysdercus peruvianus** (Guer.)

Guerin, Voy. Coquil. Zool., ii, pt. 2, p. 178, 1838, *Lygaeus.*
Guerin, Voy. Coquil., Zool., Atlas, pl. 12, fig. 16, 1838, *Dysdercus.*
Stål, Enum. Hemip., i, p. 121, 1870.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 314, 1876.
Localities: "Calif." (Neotropical, Haw. Isds.)
[Stål's record of Calif. may be erroneous.]

632. **Dysdercus andreae** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 448, 1758; edn. 12, i, pt. 2, p. 727, 1767, [*Cimex.*
Goeze, Ent. Beytr., ii, p. 214, 1778, *Cimex.*
Herrich–Schaeffer Wanz. Ins., Verz., p. 192, 1853, *Stiretrus?*
Stål, Berl. Ent. Zeit., x, p. 382, 1866.
Stål, Hemip. Fabr., i, p. 85, 1868.
Stål, Enum. Hemip., i, p. 122, 1870.
Walker, Cat. Heter., v, p. 181, 1878.
Hunter, U. S. Dept. Agr., Div. Ent., Bul. 38, n.s., p. 106, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 18, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
suturalis (Fabricius), Syst. Ent., p. 721, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 257, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 365, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 301, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2174, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 159, *Lygaeus.*
Wolff, Icones Cimic., i, p. 29, fig. 29, 1800, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 225, 1803, *Lygaeus.*
Laporte, Essai Classif. Syst. Hémip., p. 37, 1832, *Astemma.*
Burmeister, Handb. d. Ent., ii, p. 285, 1835, *Pyrrhocoris.*
Spinola, Essai sur les Hémip., p. 177, 1837 (1840), *Astemma.*
Herrich–Schaeffer, Wanz. Ins., vii, p. 17, fig. 698, 1844, *Pyrrhocoris.*
Localities: Fla. (West Indies.)

633. **Dysdercus suturellus** (H. S.)

Herrich-Schaeffer, Wanz. Ins., vi, p. 76, fig. 645, 1842, *Pyrrhocoris.*
Stål, Enum. Hemip., i, p. 123, 1870.
Saunders, Ins. Inj. to Fruits, p. 387, fig. 397, 1883.
Riley and Howard, Insect Life, i, p. 234, 1889 (life history).
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 86, p. 95, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 509, 1914.
Hunter, U. S. Dept. Agr., Bur. Ent., Circular 149, 1912.
Localities: Fla. (Neotropical.)

634. **Dysdercus ocreatus** (Say)

Say, Heter. N. Harm., p. 19, 1832; Fitch reprint, p. 782; Compl. Writ., i, p.
Uhler, Check List, p. 17, 1886 (spelled *acreatus*). [338, *Capsus.*
Locality: Ga.

635. **Dysdercus obscuratus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 230, pl. 21, figs. 8 and 9, 1883.
Locality: "S. St."
(Reference for this record lost.)

SERIES *ANONYCHIA* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 68, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 18, 1912.

Family TINGIDIDAE (Lap.)

Laporte, Essai Classif. Syst. Hémip., p. 47, 1832, *Tingidites.*
Spinola, Essai sur les Hémip., p. 161, 1837, *Tingidites.*
Fieber, Ent. Monog., p. 27, 1844, *Tingideae.*
Spinola, Tavola Sinot., pp. 27, 43, 1850, *Tingiditae.*
Fieber, Genera Hydroc., p. 9, 1851, *Tingididea.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 143, 1853, *Tingideae.*
Fieber, Europ. Hemip., pp. 24, 35, 116, 1860, *Tingididae.*
Stål, Hemip. Afr., iii, p. 25, 1865, *Tingidida.*
Stål, Enum. Hemip., iii, p. 115, 1873, *Tingitidae.*
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 43, 1874, *Tingitidae.*
Uhler, Check List, p. 21, 1886, *Tingitidae.*
Puton, Cat. Hemip. Palae., edn. 3, p. 31, 1886, *Tingidides.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 1, 1896, *Tingidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 1, 1897, *Tingitidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 122, 1903, *Tingididae.*
Horvath, Ann. Mus. Natl. Hung., iv, p. 1, 1906, *Tingitidae* (monograph
Oshanin, Verz. Palae., Hemip., i, p. 395, 1908, *Tingididae.* [European forms).
Kirkaldy, Can. Ent., xl, p. 360, 1908, *Tingidae.* [*Tingidoidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 27, 1912, Superfam.
Oshanin, Kat. Palae. Hemip., p. 41, 1912, Superfam. *Tingitoideae.*
Osborn and Drake, Ohio St. Univ. Bul. xx, p. 217, 1916, Superfam. *Tingitoida.*
Membranaceae Latreille, Fam. Nat. Règne Anim., p. 422, 1825 (part).
Amyot and Serville, Hemip., pp. xl, 295, 1843, *Membranacei.*
Dohrn, Cat. Hemip., p. 41, 1859, *Membranacei.*

Subfamily PIESMINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xl, 300, 1843, Groupe *Piesmides.*
Spinola, Tavola Sinot., p. 44, 1850, *Piesmoeideae.*
Stål, Enum. Hemip., iii, p. 115, 1873, *Piesmina.*
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 44, 1874, *Piesmina.*
Uhler, Check List, p. 21, 1886, *Piesmina.*
Puton, Cat. Hémip., Palae., edn. 3, p. 31, 1886, Tribe *Piesmini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 1, 1896, *Piesmidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 2, 1897, *Piesminae.*
Horvath, Ann. Mus. Natl. Hung., iv, p. 2, 1906, *Piesminae.*
Oshanin, Verz. Palae. Hemip., i, p. 395, 1908, *Piesmina.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 77, 1910, Fam. *Piesmidae.*
Banks, Cat. Nearc. Heter., p. 57, 1910, Tribe *Piesmini.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 14, 1911, *Piesmidae.* [*Piesmidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 56, 1912, Fam.
Oshanin, Kat. Palae. Hemip., p. 41, 1912, Fam. *Piesmidae.*
Osborn and Drake, Ohio St. Univ. Bul. xx, p. 218, 1916, Fam. *Piesmidae.*
Zosmenidae Dohrn, Cat. Hemip., p. 41, 1859.
Douglas and Scott, Brit. Hemip., pp. 22, 237, 1865, *Zosmeridae.*

Genus **Piesma** Lep. & Serv.
Logotype *capitata* (Wolff)

Le Peletier and Serville, Encyc. Méth., x, p. 652, 1825 (as subgen. of *Tingis*).
Brullé, Hist. Nat. des Ins., ix, p. 342, 1835. (Names *capitata* type.)
Spinola, Essai sur les Hémip., p. 231, 1837.
Blanchard, Hist. des Ins., Hémip., p. 113, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840.
Amyot and Serville, Hémip., p. 301, 1843.
Spinola, Tavola Sinot., p. 44, 1850.
Stål, Enum. Hemip., iii, p. 115, 1873.
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 44, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 2, 1897.
Horvath, Ann. Mus. Natl. Hung., iv, p. 2, 1906.
Zosmenus Laporte, Essai Classif. Syst. Hémip., p. 49, 1832 (*Zosnanus* [on p. 47; Type *maculatus* Lap.).
Burmeister, Handb. d. Ent., ii, p. 262, 1835, *Zosmerus.*
Fieber, Ent. Monog., p. 30, 1844.
Flor, Rhyn. Livl., i, p. 310, 1860.
Fieber, Europ. Hemip., pp. 35, 116, 1861.
Stål, Hemip. Afr., iii, p. 25, 1865.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 218, 1916.
Aspidotoma Curtis, Ent. Mo. Mag., i, p. 196, 1833 (only species *capitata*).

636. **Piesma cinerea** (Say)

Say, Heter N. Harm., p. 27, 1832; Fitch reprint, p. 793; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 116, 1873. [349, *Tingis.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
Gillette and Baker, Hemip. Colo., p. 56, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 2, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904.

Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 218, 1916.
Localities: Ont., N. Y., Pa., N. C., Fla., Ohio, Ill., Kan., Colo., Calif.

Subfamily TINGIDINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xl, 295, 1843, Groupe *Tingides.*
Dohrn, Cat. Hemip., p. 42, 1859, *Tingidae.*
Douglas and Scott., Brit. Hemip., pp. 23, 242, 1865, Section *Tingidina.*
Stål, Enum. Hemip., iii, pp. 115, 116, 1873, *Tingitina.*
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, pp. 44, 45, 1874, *Tingitina.*
Uhler, Check List, p. 22, 1886, *Tingitina.*
Puton, Cat. Hémip. Palae., edn. 3, p. 31, 1886, Tribe *Tingidini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 4, 1894, *Tingidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 2, 1897, *Tingitinae.*
Horvath, Ann. Mus. Natl. Hung., iv, pp. 2, 10, 1906, *Tingitinae.*
Oshanin, Verz. Palae. Hemip., i, p. 400, 1908, *Tingidina.*
Banks, Cat. Nearc. Hemip., p. 55, 1910, *Tingitini.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 77, 1910, Fam. *Tingididae.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 14, 1911, *Tingitidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 57, 1912, Fam.
Oshanin, Kat. Palae. Hemip., p. 42, 1912, Fam. *Tingitidae.* [*Tingididae.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914, *Tingididae.*
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 219, 1916, *Tingitidae.*

TRIBE *TINGIDINI* (Stål)

Stål, Enum. Hemip., iii, pp. 116, 118, 1873, Div. *Tingitaria.*
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, pp. 46, 47, 1874, Div. *Tingitaria.*
Champion, Biol. Centr. Am., Heter., ii, p. 5, 1897, Group *Tingitini.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 130, 1903, Div. *Tingidaria.*
Horvath, Ann. Mus. Natl. Hung., iv, pp. 10, 13, 1906, Div. *Tingitaria.*
Oshanin, Verz. Palae. Hemip., i, p. 401, 1908, Div. *Tingidaria.*
Oshanin, Kat. Palae. Hemip., p. 42, 1912, Tribe *Tingitaria.*

Genus **Acalypta** Westw.
Orthotype *carinata* Panz.

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840 (names *carinata*
Stål, Enum. Hemip., iii, pp. 118, 122, 1873. [type).
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 51, 1874.
Horvath, Ann. Mus. Natl. Hung., iv, pp. 13, 24, 1906.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 220, 1916.
Orthosteira Fieber, Ent. Monog., pp. 29, 46, 1844.
Flor, Rhyn. Livl., i, pp. 330, 331, 1860 (as subgen. of *Monanthia*).
‡*Orthostira* Fieber, Europ. Hemip., pp. 36, 130, 1861.
Douglas and Scott, Brit. Hemip., p. 260, 1865.

637. **Acalypta thomsonii** Stål

Stål, Enum. Hemip., iii, p. 122, 1873.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 39, 1916.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 220, 1916.
Localities: S. C., Va.

637¼. **Acalypta lillianis** Bueno

Bueno, Bul. Brookl. Ent. Soc., xi, p. 39, 1916.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 221, figs. 1, 2, 1916.
Localities: Ont., Me., N. H., N. Y., N. J., Mich.

637½. **Acalypta ovata** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 9, 1916.
Localities: Ont., N. H.

Genus **Fenestrella** O. & D.
Orthotype *ovata* O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 222, 1916.

637¾. **Fenestrella ovata** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 223, fig. 3, 1916.
Locality: Ohio.

Genus **Corythucha** Stål
Logotype *fuscigera* Stål

Stål, Enum. Hemip., iii, pp. 119, 122, 1873.
Uhler, Check List., p. 22, 1886, *Corythuca.*
Provancher, Pet. Faune Ent. Can., iii, p. 157, 1887, *Corythuca.*
Champion, Biol. Centr. Am., Heter., ii, p. 6, 1897.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 57. [species.)
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 224, 1916. (Key to Ohio

638. **Corythucha ciliata** (Say)

Say, Heter. N. Harm., p. 26, 1832; Fitch reprint, p. 793; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 123, 1873. [348, *Tingis.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 414, 1878, *Tingis.*
Lintner, 4th Rept. N. Y. St. Ent., p. 107, 1888, *Corythuca.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 364, 1893, *Corythuca.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894, *Corythuca.*
Gillette and Baker, Hemip. Colo., p. 57, 1895, *Corythuca.*
Morill, Psyche, x, 133, 1903, *Corythuca.*
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904. *Corythuca.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910, *Corythuca.*
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 225, pl. 10, fig. h, 1916.
hyalina Herrich-Schaeffer, Wanz. Ins., v, p. 84, fig. 532, 1839, *Tingis.*
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., Ala., Ohio, Ill., Colo.

638¼. **Corythucha pallida** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 230, 1916.
a. var. **ulmi**, Osborn and Drake, Ohio St. Univ. Bul., xx, p. 231, 1916.
Locality: Ohio.

639. **Corythucha arcuata** (Say)

Say, Heter. N. Harm., p. 27, 1832; Fitch reprint, p. 794; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 123, 1873. [350, *Tingis.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 415, 1878, *Tingis.*
Uhler, Stand. Nat. Hist., ii, p. 284, fig. 327, 1884, *Corythuca.*

Lintner, 4th Rept. N. Y. St. Ent., p. 108, 1888, *Corythuca.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894, *Corythuca.*
Gillette and Baker, Hemip. Colo., p. 57, 1895, *Corythuca.*
Morill, Psyche, x, p. 127, 1903, *Corythuca.*
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904, *Corythuca.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908; xviii, p. 31, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910, *Corythuca.*
Van Duzee, Can. Ent., xliv, p. 323, 1912, *Corythuca.*
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 227, pl. 9, 1916.
†*juglandis* Provancher, Pet. Faune Ent. Can., iii, p. 158, 1887, *Corythuca.*
†*ciliata* Provancher, Pet. Faune Ent. Can., iii, p. 158, 1887, *Corythuca.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Md., D. C., N. C., Ala., Ohio, Ill., Texas, Colo.

639¼. **Corythucha crataegi** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 229, pl. 10, fig. f, 1916.
¶*arcuata* var. *crataegi* Morrill, Psyche, x, p. 132, 1903 (egg only).
Bueno, Can. Ent., xliv, p. 212, 1912 (as species).
Localities: N. Y., Mass., Ohio.

640. **Corythucha pergandei** Heid.

Heidemann, Proc. Ent. Wash., viii, p. 10, fig. 2, 1906, *Corythuca.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908; xviii, p. 31, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910, *Corythuca.*
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 228, figs. 4, 5, 1916.
†*incurva* Van Duzee, Can. Ent., xl, p. 111, 1908, *Corythuca.*
Localities: Ont., Mass., N. Y., N. J., Pa., Md., Va., Ohio, Ill., Kan.

640¼. **Corythucha pruni** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 231, 1916.
Locality: D. C.

641. **Corythucha incurvata** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 280, 1894, *Corythuca.*
Localities: Ariz., Calif., Oregon. (Mexico.)

642. **Corythucha caelata** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 279, 1894, *Corythuca.*
Localities: Calif. (Mexico.)

643. **Corythucha fuscigera** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 323, 1862, *Tingis.*
Stål, Enum. Hemip., iii, p. 122, 1873.
Uhler, Proc. Ent. Soc. Wash., ii, p. 381, 1893, *Corythuca.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894, *Corythuca.*
Gillette and Baker, Hemip. Colo., p. 57, 1895, *Corythuca.*
Champion, Biol. Centr. Am., Heter., ii, p. 7, pl. 1, fig. 6, 1897.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 57.
lucida Walker, Cat. Heter., vi, p. 191, 1873, *Monanthia.*
obliqua Osborn and Drake, Ohio Jl. Sci., xvii, p. 11, 1916.
Localities: Colo., Utah, Calif. Ore. (Mexico.)

644. **Corythucha decens** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 324, 1862, *Tingis.*
Stål, Enum. Hemip., iii, p. 123, 1873.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 204, *Corythuca.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 279, 1894, *Corythuca.*
Champion, Biol. Centr. Am., Heter., ii, p. 7, pl. 1, fig. 7, 1897.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 362, 1904.
Localities: Pa., D. C., Texas, Calif.

645. **Corythucha marmorata** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 415, 1878, *Tingis.*
Van Duzee, Can. Ent., xxi, p. 5, 1889, *Corythuca.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894, *Corythuca.*
Howard, U. S. Dept. Agr., Div. Ent., Bul. n.s. 44, p. 89, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 19, 1907; ix, p. 173, 1909,
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914. [*Corythuca.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Osborn and Drake, Ohio St. Univ. Bul. xx, p. 226, 1916. [p. 99, 1898.
[*irrorata* Riley MS] Howard, U. S. Dept. Agr., Div. Ent., Bul. n.s. No. 10,
Localities: Ont., Me., Mass., N. Y., N. J., D. C., N. C., Fla., Ala., Ohio, Colo., N. Mex., Calif.

645¼. **Corythucha contracta** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 230, 1916.
Locality: Ohio.

646. **Corythucha floridana** Heid.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 173, 1909, *Corythuca* (name only).
Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 236, figure, 1909, *Corythuca.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914, *Corythuca.*
Locality: Fla.

647. **Corythucha gossypii** (Fabr.)

Fabricius, Ent. Syst., iv, p. 78, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 126, 1803, *Tingis.*
Latreille, Genera Crust. Ins., iii, p. 140, 1807, *Tingis.*
Burmeister, Handb. d. Ent., ii, p. 259, 1835, *Tingis.*
Herrich–Schaeffer, Wanz. Ins., v, p. 85, fig. 534, 1839, *Tingis.*
Fieber, Ent. Monog., p. 104, pl. 9, fig. 5, 1844, *Tingis.*
Stål, Hemip. Fabr., i, p. 93, 1868, *Galeatus.*
Stål, Enum. Hemip., iii, p. 123, 1873.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 18, 1907, *Corythuca.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910, *Corythuca.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914, *Corythuca.*
Localities: N. Y., N. J., Fla. (West Indies.)

648. **Corythucha hispida** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 279, 1894, *Corythuca.*
Localities: Ariz., Calif. (Mexico.)

648¼. **Corythucha spinosa** Dug.

Duges, La Nat., Ser. 2, i, p. 207, pl. 18, figs. 1–3, 1889, *Tingis.*
Champion, Biol. Centr. Am., Heter., ii, p. 8, pl. 1, fig. 9, 1897.
Localities: Calif. (Mexico.)

648½. **Corythucha setosa** Champ.
Champion, Biol. Centr. Am., Heter., i, p. 8, pl. 1, fig. 10, 1897.
Localities: Calif. (Guatemala.)

Corythucha cydoniae Fitch
Fitch, Country Gentleman, xiv, p. 25, Febr., 1861, *Tingis* (invalid).
Lintner, 1st Rept., N. Y. St. Ent., p. 311, 1885 (notice only).
Locality: N. Y.

649. **Corythucha juglandis** Fitch
Fitch, 3d Rept., Trans. N. Y. St. Agr. Soc., xvi, p. 466, No. 193, 1856, *Tingis.*
Stål, Enum. Hemip., iii, p. 123, 1873.
Van Duzee, 20th Rept., N. Y. St. Ent., for 1904, p. 549, 1905, *Corythuca.*
[*polygrapha* Uhl. MS], Lintner, 4th Rept., N. Y. St. Ent., p. 109, 1888.
Localities: Me., N. Y., N. J., Ill., Idaho, Br. Col.

649 1/16. **Corythucha immaculata** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 11, 1916.
Locality: Calif.

649⅛. **Corythucha mollicula** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 12, 1916.
Locality: Mich.

649 3/16. **Corythucha distincta** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 13, 1916.
Locality: Colo.

649¼. **Corythucha celtidis** O. & D.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 227, 1916.
Locality: Ohio.

649½. **Corythucha aesculi** O. & D.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 232, pl. 10, fig. g, 1916.
Locality: Ohio.

649¾. **Corythucha bulbosa** O. & D.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 232, pl. 10, fig. e, 1916.
carbonata Uhler, MS.
Localities: Md., Ohio.

649⅞. **Corythucha associata** O. & D.
Osborn and Drake, Ohio. Jl. Sci., xvii, p. 14, 1916.
Locality: Tenn.

Genus **Dolichocysta** Champ.
Haplotype *venusta* Champ.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 56.

650. **Dolichocysta venusta** Champ.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 57, pl. 2, fig. 1.
Locality: Colo. (Mexico.)

Genus **Galeatus** Curt.
Haplotype *spinifrons* Fall.
Curtis, Newman's Ent. Mag., i, p. 196, 1833 (for *spinifrons* Fall.).
Spinola, Essai sur les Hémip., p. 164, 1837.

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840.
Fieber, Ent. Monog., p. 22, 1844 (as synon. of *Tingis*).
Stål, Enum. Hemip., iii, p. 118, 1873.
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 48, 1874.
Distant, Fauna Br. Ind., Rhyn., ii, p. 131, 1903.
Horvath, Ann. Mus. Natl. Hung., iii, p. 566, 1905; iv, pp. 13, 49, 1906; ix, p. [337, 1911.
Osborn and Drake, Ohio St. Univ. Bul. xx, p. 236, 1916.
Cadmilos Distant, Ann. Soc. Ent. Belg., liii, p. 113, 1909. [Haplotype
Distant, Fauna Br. Ind., Rhyn., v, p. 107, 1910. [*retiarius* Dist.)

651. **Galeatus peckhami** (Ashm.)

Ashmead, Ent. Am., iii, p. 156, 1887, *Sphaerocysta*.
Van Duzee, Can. Ent., xxi, p. 5, 1889.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 362, 1904.
Parshley, Ent. News, xxvii, p. 105, 1916.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 236, 1916.
Localities: Ont., N. H., Mass., Wisc., Manitoba, N. Mex.

Genus **Stephanitis** Stål
Logotype *pyri* Fabr.

Stål, Enum. Hemip., iii, pp. 119, 123, 1873.
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 53, 1874.
Horvath, Ann. Mus. Natl. Hung., iv, pp. 14, 54, 1906; x, p. 319, 1912.
Oshanin, Kat. Palae. Hemip., pp. 43, 130, 1912 (names *pyri* type).
†*Tingis* Laporte, Essai Classif. Syst. Hémip., p. 48, 1832 (names *pyri*
Burmeister, Handb. d. Ent., ii, p. 259, 1835 (part). [pseudotype).
Spinola, Essai sur les Hémip., p. 166, 1837.
Blanchard, Hist. des Ins., Hémip., p. 112, 1840.
Amyot and Serville, Hémip., p. 296, 1843.
Fieber, Ent. Monog., p. 101, 1844 (part).
Flor, Rhyng. Livl., i, pp. 359, 365, 1860.
Fieber, Europ. Hemip., pp. 36, 128, 1861 (part).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 12, 1894.
Leptobyrsa Stål, Enum. Hemip., iii, pp. 119, 123, 1873. (Haplotype *steinii*
Champion, Biol. Cent. Am., Heter., ii, p. 25, 1897. [Stål).
Champion, Trans. Ent. Soc. Lond. for 1898, p. 58.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 240, 1916.
†*Leptostyla* Provancher, Pet. Faune Ent. Can., iii, p. 158, 1887.
Cadamustus Distant, Ann. Soc. Ent. Belg., xlvii, p. 47, 1903 (type *typicus*).
Maecenas Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Tingis*
Mokanna Distant, Fauna Br. Ind., Rhyn., v, p. 111, 1910. [L. & S.).

652. **Stephanitis pyrioides** Scott

Scott, Ann. Mag. Nat. Hist., Ser. 4, xiv, p. 440, 1874.
Oshanin, Kat. Palae. Hemip., p. 44, 1912.
Weiss, Ent. News, xxvii, p. 163, 1916. [*pyrioides* Scott).
azaleae Horvath, Ann. Mus. Natl. Hung., iii, p. 568, 1905 (n.n. for
Horvath, Ann. Mus. Natl. Hung., iv, pp. 55, 56, 1906, x, p. 333, 1912.
Oshanin, Kat. Palae. Hemip., p. 130, 1912.
Localities: N. J., D. C. (Japan.)

653. **Stephanitis rhododendri** Horv.

Horvath, Ann. Mus. Natl. Hung., iii, p. 567, 1905.
Horvath, Synop. Tingit. Reg. Palae., p. 55, 1906.
†*oblonga* (Provancher), Pet. Faune Ent. Can., iii, p. 159, 1887, *Leptostyla.*
Leptobyrsa sp. nov., Wirtner, Ann. Carn. Mus., iii, p. 202, 1904.
explanata Heidemann, Proc. Ent. Soc. Wash., x, p. 105, pl. 4, figs. *d* and *e*, [1908, *Leptobyrsa.*
Smith, Cat. Ins. N. J., edn. 3, p. 148, 1910, *Leptobyrsa.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 31, 1910, *Leptobyrsa.* [history).
Crosby and Hadley, Jl. Econ. Ent., viii, p. 409, 1915, *Leptobyrsa* (life
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 240, figure, 1916, *Lepto-* [*byrsa.*
Localities: Me., Mass., N. Y., N. J., Pa., Md., D. C., W. Va., N. C., Fla., Ohio. (Europe.)

Gargaphia Stål
Logotype *patricia* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 324, 1862 (as subgen. of *Monanthia*).
Stål, Enum. Hemip., iii, pp. 119, 124, 1873.
Uhler, Stand. Nat. Hist., ii, p. 285, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 159, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 9, 1897.
Champion, Proc. Ent. Soc. Lond. for 1898, p. 58.
Osborn and Drake, Ohio St. Univ., Bul. xx, p. 233, 1916.

654. **Gargaphia tiliae** (Walsh)

Walsh, Proc. Ent. Soc. Phila., iii, p. 408, 1864, *Tingis.*
Uhler, Check List., p. 22, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 159, 1887.
Bergroth, Revue d'Ent., xi, p. 264, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 181, 1894.
Gillette and Baker, Hemip. Colo., p. 57, 1895.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 31, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 234, 1916.
fasciata Stål, Enum. Hemip., iii, p. 125, 1873.
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.

a. var. **amorphae** (Walsh)
Walsh, Proc. Ent. Soc. Phila., iii, p. 409, 1864, *Tingis.*
Uhler, Check List, p. 22, 1886.
Bergroth, Revue d'Ent., xi, p. 264, 1892.
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 235, 1916.
Localities: N. Y., N. J., Pa., Va., Ohio, Ill., Kan., Colo.

655. **Gargaphia iridescens** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 10, pl. 2, fig. 1, 1897.
Localities: Colo., Texas. (Mexico.)

656. **Gargaphia opacula** Uhl.

Uhler, N. Am. Fauna, vii, p. 263, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894.
Van Duzee, Trans. San Diego, Soc. Nat. Hist., ii, p. 11, 1914.
Localities: N. Mex., Calif.

657. **Gargaphia angulata** Heid.

Heidemann, Can. Ent., xxxi, p. 301, 1899.
Chittenden, U. S. Dept. Agr., Div. Ent., Bul. n.s. xxiii, p. 32, fig. 8, 1900.
Smith, Cat. Ins. N. J., edn. 3, fig. 43, on p. 149, 1910.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 233, fig. 6, 1916.
Localities: Mass., Pa., D. C., N. C., Tenn., Ala., Ohio.

[**Gargaphia undulata** Heid MS]

Heidemann, Proc. Ent. Soc. Wash., iv, p. 493, 1900.
Locality: D. C.

658. **Gargaphia solani** Heid.

Heidemann, Proc. Ent. Soc. Wash., xvi, p. 136, 1914.
Fink, U. S. Dept. Agr., Bul. 239, 1915.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 235, fig. 7, 1916.
Localities: Va., Ohio, Mo., Okl., Texas.

Genus **Leptostyla** Stål
Logotype *oblonga* Say

Stål, Enum. Hemip., iii, pp. 120, 125, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 11, 1897.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 60.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 237, 1916. [Stål).
Gelchossa Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Leptostyla*

659. **Leptostyla oblonga** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 325, 1825; Compl. Writ., ii, p. 248,
Stål, Enum. Hemip., iii, p. 126, 1873. [*Tingis.*
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 238, 1916.
Localities: N. J., Md., Mo.

660. **Leptostyla constricta** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 20, pl. 2, fig. 6, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 19, 1907.
costofasciata Drake, Ohio Jl. Sci., xvi, p. 326, 1916.
†*clitoriae* Osborn and Drake, Ohio St. Univ. Bul., xx, p. 239, fig. 8, 1916.
Localities: Pa., D. C., S. C., Ind., Tenn.

661. **Leptostyla clitoriae** Heid.

Heidemann, Proc. Ent. Soc. Wash., xiii, p. 137, pl. 10, fig. 6, egg; p. 180,
[fig. 4, 1911, description.
heidemanni Osborn and Drake, Ohio St. Univ. Bul., xx, p. 238, 1916.
Localities: Mass., N. Y., Pa., D. C., Md., Ark.

Genus **Leptodictya** Stål
Logotype *ochropa* Stål

Stål, Enum. Hemip., iii, p. 127, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 23, 1897.

Champion, Trans. Ent. Soc. Lond. for 1898, p. 60.
Van Duzee, Check List. Hemip., p. 26, 1916, *Leptodicta* by error.

662. **Leptodictya plana** Heid.

Heidemann, Proc. Ent. Soc. Wash., xv, p. 1, fig. 1, 1913.
†*tabida* Banks, Cat. Nearc. Hemip., p. 57, 1910, *Monanthia*.
Locality: Okl.

663. **Leptodictya simulans** Heid.

Heidemann, Proc. Ent. Soc. Wash., xv, p. 3, fig. 2, 1913.
Localities: Va., S. C., Ala.

Genus **Acanthocheila** Stål
Logotype *armigera* Stål

Stål, Rio Jan. Hemip., i, p. 61, 1860 (subgen. of *Monanthia*).
Stål, Enum. Hemip., iii, pp. 119, 127, 1873 (spelled *Acanthochila* on p. 127).
Champion, Biol. Centr. Am., Heter., ii, p. 28, 1897, *Acanthochila*.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 60, *Acanthochila* (names [*armigera* type).

664. **Acanthocheila exquisita** Uhl.

Uhler, Proc. Ent. Soc. Wash., i, p. 143, 1889.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Locality: Fla.

Genus **Physatocheila** Fieb.
Logotype *quadrimaculata* Wolff

Fieber, Ent. Monog., p. 80, 1844 (subgen. of *Monanthia*).
Herrich-Schaeffer, Wanz. Ins., ix, p. 152, 1853 (subgen. of *Monanthia*).
Flor, Rhyn. Livl., i, p. 349, 1860 (subgen. of *Monanthia*).
Fieber, Europ. Hemip., p. 120, 1861 (subgen. of *Monanthia*).
Stål, Hemip. Afr., iii, p. 28, 1865, *Physatochila* (subgenus).
Stål, Enum. Hemip., iii, pp. 120, 129, 1873, *Physatochila*.
Walker, Cat. Heter., vi, p. 185, 1873 (*Monanthia* subdiv. *Physatochilae*).
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 56, 1874, *Physatochila*.
Provancher, Pet. Faune Ent. Can., iii, p. 160, 1887.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 21, 1894, *Physatochila*.
Horvath, Ann. Mus. Natl. Hung., iv, p. 94, 1906.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 242, 1916. [*tochila* L. & S.).
Phyllochisme Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Physa-*

665. **Physatocheila plexa** (Say)

Say, Heter. N. Harm., p. 27, 1832; Fitch reprint, p. 794; Compl. Writ., i, p. [349, *Tingis*.
Stål, Enum. Hemip., iii, p. 129, 1873.
Provancher, Pet. Faune Ent. Can., iii, p. 160, 1887.
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent. for 1904, p. 549, 1905.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 242, 1916.
Localities: Quebec, Ont., Me., N. Y., Pa., D. C., Ind., Ill., W. Va., Mich.

665¼. **Physatocheila brevirostris** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 243, 1916.
Localities: N. Y., Ohio.

665½. **Physatocheila variegata** Parsh.

Parshley, Psyche, xxiii, p. 166, 1917.
Localities: Mass., Conn., N. Y.

Genus **Leptoypha** Stål
Haplotype *mutica* Say

Stål, Enum. Hemip., iii, pp. 121, 129, 1873.
Provancher, Pet. Faune Ent. Can., iii, p. 160, 1887.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 61.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 241, 1916.

666. **Leptoypha mutica** (Say)

Say, Heter. N. Harm., p. 27, 1832; Fitch reprint, p. 794; Compl. Writ., i, p. [349, *Tingis.*
Stål, Enum. Hemip., iii, p. 129, 1873.
Provancher, Pet. Faune Ent. Can., iii, p. 160, 1887.
Uhler, N. Am. Fauna, vii, p. 264, 1893.
Wirtner, Ann. Carn. Mus., iii, p. 203, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Dickerson and Weiss, Ent. News, xxvii, p. 308, 1916 (life history).
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 241, 1916.
Localities: Quebec, N. Y., N. J., Ind., Texas.

666½. **Leptoypha brevicornis** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 32, pl. 2, fig. 28, 1897.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910.
Localities: Ariz. (Mexico.)

Genus **Melanorhopala** Stål
Logotype *clavata* Stål

Stål, Enum. Hemip., iii, p. 130, 1873 (subgen. of *Tingis*).
Horvath, Ann. Mus. Natl. Hung., vi, p. 565, 1908.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 243, 1916.
†*Cantacader* Ashmead, Can. Ent., xviii, p. 20, 1886.
†*Lasiacantha* Lethierry and Severin, Cat. Génl. Hémip., iii, p. 18, 1894 [(part).
†*Tingis* Banks, Cat. Nearc. Hemip., p. 57, 1910.

667. **Melanorhopala clavata** Stål

Stål, Enum. Hemip., iii, p. 130, 1873.
Horvath, Ann. Mus. Natl. Hung., vi, p. 564, 1908.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 231, 1908.
Bueno, Can. Ent., xl, p. 166, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 244, pl. 10, fig. d, 1916.
henshawi Ashmead, Can. Ent., xviii, p. 20, 1886, *Cantacader.*
Localities: Me., Mass., N. Y., N. J., Wis., Manitoba.

668. **Melanorhopala lurida** Stål

Stål, Enum. Hemip., iii, p. 131, 1873.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 244, 1916.
Localities: N. Y., Ohio, Ill., Kan.

669. **Melanorhopala uniformis** Stål

Stål, Enum. Hemip., iii, p. 131, 1873.
Osborn and Drake, Ohio St. Univ. Bul., xx, p. 245, 1916.
Localities: Ill., S. Dak.

669½. **Melanorhopala duryi** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 15, 1916.
Locality: Texas.

Genus **Dichocysta** Champ.
Haplotype *pictipes* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 33, 1898.

670. **Dichocysta pictipes** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 34, pl. 3, figs. 1, 2, 1898.
Heidemann, Proc. Ent. Soc. Wash., iv, p. 339, 1898.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910.
Localities: Ariz. (Neotropical.)

Genus **Alveotingis** O. & D.
Orthotype *grossocerata* O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 245, 1916.

670½. **Alveotingis grossocerata** O. & D.

Osborn and Drake, Ohio St. Univ. Bul., xx, p. 245, fig. 9, 1916.
Localities: Me., Pa.

Genus **Teleonemia** Costa
Type *funera* Costa

Costa, Ann. Mus. Zool., ii, p. 144, 1864.
Stål, Enum. Hemip., iii, pp. 122, 131, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 34, 1898.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 61.
Distant, Fauna Br. Ind., Rhyn., ii, p. 142, 1903 (names *funera* Costa type).
Americia Stål, Enum. Hemip., iii, p. 131, 1873 (subgen. of *Tingis;* type [*albilatera* Stål).
Amaurosterphus Stål, Enum. Hemip., iii, p. 131, 1873 (subgen. of *Tele-* [*onemia;* Haplotype *morio* Stål).
†*Lasiacantha* Lethierry and Severin, Cat. Génl. Hémip., iii, p. 18, 1894 [(part).

671. **Teleonemia nigrina** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 41, pl. 3, fig. 13, 1898.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 362, 1904.
Barber, Brookl. Inst. Sci. Bul., i, p. 281, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914.
Localities: Texas, N. Mex., Calif. (Neotropical.)

672. **Teleonemia variegata** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 42, pl. 3, fig. 15, 1898.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910.
Localities: Ariz. (Mexico.)

673. **Teleonemia sacchari** (Fabr.)

Fabricius, Ent. Syst., iv, p. 77, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 126, 1803, *Tingis.*
Herrich–Schaeffer, Wanz. Ins., v, p. 85, fig. 533, 1839, *Monanthia.*
Fieber, Ent. Monog., p. 76, pl. 6, figs. 22–25, 1844, *Monanthia.*

Stål, Europ. Hemip., iii, p. 132, 1873.
Walker, Cat. Heter., vi, p. 191, 1873, *Monanthia.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 202 (part).
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 40, 1898 (note).
Champion, Trans. Ent. Soc. Lond. for 1898, p. 62 (note).
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 22, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Fla. (Neotropical.)

674. **Teleonemia scrupulosa** Stål

Stål, Enum. Hemip., iii, p. 132, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 40, pl. 3, fig. 12, 1898.
Stål, Hemip. Fabr., i, p. 92, 1868.
Barber, Brookl. Inst., Sci. Bul., i, p. 281, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 22, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Texas, Fla. (West Indies, Mexico.)

675. **Teleonemia belfragei** Stål

Stål, Enum. Hemip., iii, p. 132, 1873.
Champion, Trans. Ent. Soc. Lond. for 1898, pl. 3, fig. 8.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 173, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Fla., Texas.

Teleonemia [**elongata** Uhl. MS]

Uhler, Check List, p. 22, 1886.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Locality: N. J.
[Probably is one of the preceding species.]

Genus **Atheas** Champ.
Logotype *nigricornis* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 44, 1898.
Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 231, 1909.

676. **Atheas insignis** Heid.

Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 232, figure, 1909.
Localities: Md., D. C.

677. **Atheas exiguus** Heid.

Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 233, figure, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 174, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Locality: Fla.

678. **Atheas mimeticus** Heid.

Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 234, figure, 1909.
Localities: Wis., Minn., Kan.

679. **Atheas austroriparius** Heid.

Heidemann, Bul. Buf. Soc. Nat. Sci., ix, p. 235, figure, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Fla., Texas.

Genus **Acysta** Champ.
Logotype *integra* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 46, 1898.

680. **Acysta perseae** Heid.

Heidemann, Proc. Ent. Soc. Wash., x, p. 103, pl. 4, figs. a, b, c, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Fla., La.

Genus **Monanthia** Lep. & Serv.
Logotype (*echii*) Fabr. = *rotundata* H. S.

Le Peletier and Serville, Encyc. Méth., x, p. 653, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 48, 1832 (subgen. of *Tingis;* names [*echii* type).
Burmeister, Handb. d. Ent., ii, p. 260, 1835 (part).
Spinola, Essai sur les Hémip., p. 167, 1837 (1840), (sect. 2 only).
Herrich-Schaeffer, Wanz. Ins., iv, p. 49, 1839 (part).
Fieber, Ent. Monog., p. 58, 1844 (Sect. b of subgen. *Physatocheila*).
Flor, Rhyn. Livl., i, pp. 328, 349, 1860.
Fieber, Europ. Hemip., pp. 36, 119, 1861 (part).
Stål, Hemip. Afr., iii, p. 26, 1865 (part).
Douglas and Scott, Brit. Hemip., p. 243, 1865 (part).
Stål, Enum. Hemip., iii, pp. 122, 133, 1873.
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 58, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 47, 1898.
Champion, Trans. Ent. Soc. Lond. for 1898, p. 64.
Distant, Fauna Br. Ind., Rhyn., ii, p. 144, 1907 (gives *echii* Schr. as type).
Horvath, Ann. Mus. Natl. Hung., iv, p. 97, 1906.
Dictyla Stål, Of. Vet. Akad. Forh., xxxi, p. 57, 1874. (Haplotype [*platyomia* Fieb.)

681. **Monanthia labeculata** Uhl.

Uhler, N. Am. Fauna, vii, p. 264, 1893.
Locality: Calif.

TRIBE *SERENTHIINI* (Stål)

Stål, Enum. Hemip., iii, pp. 116, 117, 1873, Div. *Serenthiaria.*
Stål, Of. Vet. Akad. Forh., xxxi, No. 3, p. 46, 1874, Div. *Serenthiaria.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 126, 1903, Div. *Serenthiaria.*
Horvath, Ann. Mus. Natl. Hung., iv, p. 107, 1906, Div. *Serenthiaria.*
Oshanin, Verz. Palae. Hemip., i, p. 457, 1908, Div. *Serenthiaria.*
Oshanin, Kat. Palae. Hemip., p. 46, 1912, Tribe *Serenthiaria.*
†*Piesmidae* Dohrn, Cat. Hemip., p. 42, 1859. [= *Serenthia*).
Agrammidae Douglas and Scott, Brit. Hemip., pp. 24, 242, 1865 (*Agramma*

Genus **Agrammodes** Uhl.
Haplotype *costatus* Uhl.

Uhler, Hemip. Colo., p. 56, 1895.

682. **Agrammodes costatus** Uhl.

Uhler, Hemip. Colo., p. 56, 1895.
Locality: Colo.

Superfamily REDUVIOIDEAE Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 72, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 19, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 48, 1912.

PHALANX *ENICOCEPHALIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 74, 1910, *Henicocephaliformes.*
Reuter, Of. Fenska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 25, 49, 1912, *Heni-*
[*cocephaliformes.*
Oshanin, Kat. Palae. Hemip., p. 48, 1912, *Henicocephaliformes.*

Family ENICOCEPHALIDAE Stål

Stål, Rio Jan. Hemip., i, p. 81, 1860.
Ashmead, Ent. News, iii, p. 191, 1892, *Enicocephalinae.*
Kirkaldy, Can. Ent., xl, p. 360, 1908.
‡*Henicocephalida* Stål, Hemip. Afr., iii, p. 165, 1865.
Berg, Hemip. Argent., p. 180, 1879, *Henicocephalidae.*
Karsch, Berl. Ent. Zeit., xxxvii, p. 485, 1892, *Henicocephalidae.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 67, 1894, *Henico-*
[*cephalidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 158, 1898, *Henicocephalidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 193, 1903, *Henicocephalidae.*
Enderlein, Zool. Anzeig., xxvii, p. 783, 1904, *Henicocephalidae.*
Oshanin, Verz. Palae. Hemip., i, p. 504, 1908, *Henicocephalidae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 74, 1910, *Henico-*
[*cephalidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 55,
[1912, *Henicocephalidae.*
Oshanin, Kat. Palae. Hemip., p. 48, 1912, *Henicocephalidae.*

Genus **Enicocephalus** Westw.
Orthotype *flavicollis* Westw.

Westwood, Trans. Ent. Soc. Lond., ii, p. 22, 1837.
Stål, Rio Jan. Hemip., i, p. 81, 1860.
Walker, Cat. Heter., viii, p. 22, 1873.
Ashmead, Proc. Ent. Soc. Wash., ii, p. 328, 1892.
‡*Henicocephalus* Stål, Hemip. Afr., iii, p. 166, 1865.
Bergroth, Revue d'Ent., viii, p. 319. 1889.
Karsch, Berl. Ent. Zeit., xxxvii, p. 485, 1892.
Bergroth, Revue d'Ent., xii, p. 155, 1893.
Champion, Biol. Centr. Am., Heter., ii, p. 158, 1898.
Distant, Ann. Mag. Nat. Hist., Ser. 7, x, p. 174, 1902.
Distant, Fauna Br. Ind., Rhyn., ii, p. 193, 1903.
Bergroth, Wien. Ent. Zeit., xxv, p. 6, 1906.
Johannsen, Psyche, xvi, p. 2, 1909. (Key.)
Bergroth, Wien. Ent. Zeit., xxxiv, p. 292, 1915. [*nasutus* Stål.)
Oncylocotis Stål, Of. Vet. Akad. Forh., xii, p. 44, 1855. (Haplotype
Stenopirates Walker, Cat. Heter., vii, p. 139, 1873. (Logotype *collaris*
[Walk.)

Dicephalus Kirby, Jl. Linn. Soc. Lond., Zool., xxiv, p. 115, 1891. (Type [*tellescopicus* Kirby.)
Hymenocoris Uhler, Trans. Md. Acad. Sci., i, p. 181, 1892. (Haplotype [*formicina* Uhl.)
Phthirocoris Enderlein, Zool. Anzeig., xxvii, pp. 785, 786, 1904. (Type [*antarcticus* Enderl., not of Berg.)
Sphigmocephalus Enderlein, Zool. Anzeig., xxvii, p. 785, 1904. (Type [*curculio* Karsch.)

683. **Enicocephalus formicina** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 182, 1892, *Hymenocoris.*
Johannsen, Psyche, xvi, p. 4, 1909.
Locality: Calif.

Genus **Systelloderus** Blanch.
Haplotype *moschatus* Blanch.

Blanchard *in* Gay, Hist. de Chili, vii, p. 224, 1852.
Bergroth, Wien. Ent. Zeit., xxxiv, p. 292, 1915. [*lucida* Horv.)
Henschiella Horvath, Revue d'Ent., vii, p. 169, 1888. (Haplotype *pel-*
Hymenodectes Uhler, Trans. Md. Acad. Sci., i, p. 180, 1892. (Haplotype
Johannsen, Psyche, xvi, p. 2, 1909. (Key.) [*culicis* Uhl.)

684. **Systelloderus biceps** (Say)

Say, Heter. N. Harm., p. 32, 1832; Fitch reprint, p. 801; Compl. Writ., i,
Bergroth, Ent. News, xxiv, p. 265, 1913. [p. 356, *Reduvius.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
culicis Uhler, Trans. Md. Acad. Sci., i, p. 181, 1892, *Hymenodectes.*
Ashmead, Proc. Ent. Soc. Wash., ii, p. 329, 1892, *Enicocephalus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Hymenodectes.*
Champion, Biol. Centr. Am., Heter., ii, p. 162, pl. 10, fig. 6, 1898,
Johannsen, Psyche, xvi, p. 3, 1909, *Henicocephalus.* [*Henicocephalus.*
[*schwarzii* Ashmead MS], Ent. News, iii, p. 191, 1892, *Enicocephalus.*
Karsch, Berl. Ent. Zeit., xxxvii, p. 486, 1892.
Localities: Pa., Va., Utah.

PHALYNX *REDUVIIFORMES* (Reut.)

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 73, 1910.
Reuter, Of. Finska. Vet. Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912.
Oshanin, Cat. Palae. Hemip., p. 48, 1912.

Family PHYMATIDAE (Lap.)

Laporte, Essai, Classif. Syst. Hémip., p. 14, 1832, *Phymatites.*
Spinola, Essai sur les Hémip., p. 152, 1837 (1840), *Phymatites.*
Costa, Cimic. Neap., Cent., i, p. 19, 1838, *Phymatini.*
Spinola, Tavola Sinot., pp. 27, 44, 1850, *Phymatitae.*
Fieber, Genera Hydroc., p. 9, 1851, *Phymatodea.*
Costa, Cimic. Neap., Cent., iii, p. 67, 1852.
Fieber, Europ. Hemip., pp. 24, 33, 186, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 439, 1862, *Phymatida.*

Stål, Enum. Hemip., v, p. 131, 1876.
Uhler, Stand. Nat. Hist., ii, p. 284, 1884.
Uhler, Check List, p. 23, 1886.
Puton, Cat. Hémip. Palae., edn. 3, p. 34, 1886, *Phymatides.*
Provancher, Pet. Faune Ent. Can., iii, p. 161, 1887.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 127, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 49, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 146, 1903.
Banks, Cat. Nearc. Hemip., p. 51, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 15, 1911.
Oshanin, Kat. Palae. Hemip., p. 48, 1912.
Syrtides Rambur, Faune de Andul., ii, p. 167, 1842.
Spissipèdes Amyot and Serville, Hémip., pp. xxxix, 228, 1843.
Dohrn, Cat. Hemip., p. 41, 1859.
Flor, Rhyn. Livl., i, p. 398, 1860, Fam. *Spissipeda.*
Walker, Cat. Heter., vi, p. 169, 1873.
Macrocephalidae Kirkaldy, Entomol., xxxii, p. 221, 1899.
Bueno, Ent. News, xviii, p. 439, 1907.
Kirkaldy, Can. Ent., xl, p. 360, 1908.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 73, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 56, 1912.

Subfamily **PHYMATINAE** (Am. & Serv.)

Amyot and Serville, Hémip., pp. xxxix, 288, 1843, *Phymatides.*
Dohrn, Cat. Hemip., p. 41, 1859, *Phymatidae.*
Walker, Cat. Heter., vi, p. 170, 1873, Fam. *Phymatidae.*
Stål, Enum. Hemip., v, p. 131, 1876, *Phymatina.*
Berg, Hemip. Argent., p. 141, 1879, *Phymatina.*
Uhler, Check List, p. 23, 1886, *Phymatina.*
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 142, 1897.
Banks, Cat. Nearc. Hemip., p. 52, 1910, *Phymatini.*

Genus **Phymata** Latr.
Haplotype *crassipes* (Fabr.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 247, 1802 (names *crassipes* example).
Latreille, Hist. Nat. Crust. Ins., xii, p. 244, 1804.
Latreille, Genera Crust. Ins., iii, p. 138, 1807.
Latreille, Consid. Génl., p. 433, 1810 (names *crassipes* type).
Lamarck, Hist. Nat. Anim. s. verteb., iii, p. 505, 1816 (part).
Le Peletier and Serville, Encyc. Méth., x, p. 119, 1825.
Leach *in* Brewster's Edinb. Encyc., Am. edn., viii, p. 711, 1832 (for *crassipes*).
Laporte, Essai Classif. Syst. Hémip., p. 14, 1832 (names *crassipes* type).
Brullé, Hist. Nat. des Ins., ix, p. 346, 1835.
Spinola, Essai sur les Hémip., p. 156, 1837.
Costa, Cimic. Neap., Cent., i, p. 19, 1838.
Blanchard, Hist. Nat. des Ins., Hémip., p. 114, 1840.
Westwood, Trans. Ent. Soc. Lond., iii, p. 21, 1843.
Amyot and Serville, Hémip., p. 288, 1843.
Spinola, Tavola Sinot., p. 44, 1850.
Flor, Rhyn. Livl., i, p. 399, 1860.
Fieber, Europ. Hemip., pp. 33, 109, 1861.

Walker, Cat. Heter., vi, p. 170, 1873.
Stål, Enum. Hemip., v, p. 131, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 162, 1887.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, pp. 143, 144, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 49, 1898.

Syrtis Fabricius, Syst. Rhyn., p. 121, 1803. (Orthotype *erosa* Linn.)
Latreille *in* Cuvier, Règne Anim., edn. 2, v, p. 200, 1829.
Hahn, Wanz. Ins., iii, p. 55, 1835.
Herrich–Schaeffer, Nomen. Ent., i, pp. 37, 57, 1835.
Burmeister, Handb. d. Ent., ii, p. 251, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 165, 1836.
Westwood, Intr. Mod. Classif. Ins., ii, p. 477, 1840.
Rambur, Faune d. Andul., ii, p. 167, 1842.
Gorski, Anal. Ent., i, p. 28, 1852. [type).

Discomerus Laporte, Essai Classif. Syst. Hémip., p. 14, 1832 (names *erosa*
Anthylla Stål, Enum. Hemip., v, pp. 131, 134, 1876 (*nerverso-punctata* logo-
[type).

685. **Phymata vicina** Handl.

Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 150, pl. 8, fig. 27; pl. 9, figs.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 174, 1909. [6, 7, 1897.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: R. I., Fla.

686. **Phymata albopicta** Handl.

Handlirsch, Ann. k. k. Nat. Hofm. Wein, xii, p. 151, pl. 4, fig. 2; pl. 8, fig.
[37; pl. 9, fig. 3, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 54, pl. 4, fig. 9, 1898.
Localities: Ga. (Neotropical.)

687. **Phymata annulipes** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 439, 1862.
Stål, Enum. Hemip., v, p. 132, 1876.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, p. 151, pl. 8, fig. 1; pl. 9, fig. 8,
Champion, Biol. Centr. Am., Heter., ii, p. 53, 1898. [1897.
Banks, Cat. Nearc. Hemip., p. 52, 1910.
Localities: Calif. (Mexico.)

688. **Phymata noualhieri** Handl.

Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 153, pl. 4, fig. 3; pl. 8, fig. 4;
[pl. 9, fig. 9, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 54, pl. 4, fig. 8, 1898.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Pa., Ga., Fla. (Mexico.)

689. **Phymata erosa** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 443, 1758; edn. 12, i, pt. 2, p. 718, 1767,
Sulzer, Kennz. d. Ins., p. 102, pl. 11, fig. 71, 1761, *Cimex*. [*Cimex*.
Muller, Linne's Natursyst., v, pt. 1, p. 483, 1774, *Cimex*.
Goeze, Ent. Beytr., ii, p. 189, 1778, *Cimex*.
Fabricius, Spec. Ins., ii, p. 337, 1781, *Acanthia*.
Fabricius, Mantissa Ins., ii, p. 279, 1787, *Acanthia*.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2126, 1788, *Cimex*.
Fabricius, Ent. Syst., iv, p. 74, 1794, *Acanthia*.
Fabricius, Syst. Rhyng., p. 121, 1803, *Syrtis*.

Latreille, Hist. Nat. Crust. Ins., xii, p. 245, 1804.
Latreille, Genera Crust. Ins., iii, p. 139, 1807.
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 507, 1816.
Le Peletier and Serville, Encyc. Méth., x, p. 119, 1825 (1827?).
Laporte, Essai Classif. Syst. Hémip., p. 14, pl. 51, fig. 4, 1832, *Discomerus.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 478, 1840 (note).
Westwood, Trans. Ent. Soc. Lond., iii, p. 21, pl. 2, fig. 3, 1843.
Amyot and Serville, Hémip., p. 290, 1843.
Herrich-Schaeffer, Wanz. Ins., vii, p. 15, fig. 694, 1844, *Syrtis.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872.
Walker, Cat. Heter., vi, p. 170, 1873.
Stål, Enum. Hemip., v, p. 133, Nos. 8, 9, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 324, 1876; iii, p. 428, 1877; iv, p. 507,
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 421, 1878. [1878.
Cook, Can. Ent., xi, p. 18, 1879.
Uhler, Stand. Nat. Hist., ii, p. 284, 1884.
Lintner, 3d Rept. N. Y. St. Ent., p. 107, 1885.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 159, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 157, 1910.
scorpio (De Geer), Mémoirs, iii, p. 350, pl. 35, fig. 13, 1773, *Cimex.*
Retzius, Genera et Spec. Ins., p. 89, 1783, *Cimex.*
carinata (Fabricius), Syst. Rhyng., p. 122, 1803, *Syrtis.*

a. subsp. **fasciata** (Gray)
Gray *in* Griffith's Anim. Kingd., xv, p. 242, pl. 93, fig. 2, 1832, *Syrtis.*
Bergroth, Revue d'Ent., xi, p. 264, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 282, 1894 (part).
Gillette and Baker, Hemip. Colo., p. 58, 1895.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 161, pl. 5, fig. 8, etc., 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 50, pl. 4, figs. 1, 2, 1898.
Barber, Brookl. Inst., Sci. Bul., i, p. 281, 1906 (under *erosa*).
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 136, pl. 10, fig. 5, 1911 (egg).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
†*erosa* Guerin, Icon. Reg. Anim., pl. 56, fig. 12, 1843.
Localities: N. J., Md., Va., N. C., S. C., Ga., Fla., Miss., La., Ind., Wis., Minn., Ia., Kan., Mo., Colo., Utah, Texas, N. Mex., Ariz., Nev., Calif. (Neotropical.)

b. subsp. **wolffii** Stål
Stål, Enum. Hemip., v, p. 133, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 162, 1887.
†*erosa* (Wolff), Icon. Cimic., iii, p. 89, fig. 83, 1802, *Acanthia.*
†*fasciata* Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 282, 1894 (part).
pensylvanica Handlirsch, Ann. k. k. Nat. Hofm., Wien, xii, p. 163, pl. 8, [fig. 10, pl. 9, figs. 19, 20, 1897.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Localities: Quebec, Ont., Conn., N. Y., N. J., Pa., D. C. (?), Fla., Ohio, Ind., Ill., Mo.

c. subsp. **arctostaphylae** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914.
Locality: Calif.

d. subsp. **guerini** Leth. & Sevr.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 28, 1896 (n.n. for *erosa* Guer.).
Handlirsch, Ann. k. k. Nat. Hofm., Wien, xii, p. 164, pl. 8, figs. 12, 28, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 174, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
†*erosa* Guerin *in* Sagra, Hist. de Cuba, Ins., p. 406, 1857 (excl. vars.).
Stål, Enum. Hemip., v, p. 133, No. 12, 1876.
†*acutangula* Stål, Enum. Hemip., v, p. 133, 1876.
Localities: Fla. (West Indies.)

subsp. **carneipes** Mayr.
Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 442, 1865.
[Handlirsch thinks this species erroneously credited to "Ga." by Mayr.]

e. subsp. **severini** Handl.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 164, pl. 8, figs. 13, 31, 1897.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914.
Localities: Calif. (Mexico, Centr. Am.)

f. subsp. **parva** Handl.
Handlirsch, Ann. k. k. Nat. Hofm., Wien, xii, p. 165, 1897.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 11, 1914.
Localities: Calif. (Neotropical.)

g. subsp. **salicis** Ckl.
Cockerell, Entomol., xxxiii, p. 66, 1900.
Localities: Ariz., Utah.

690. **Phymata acutangula** (Guer.)

Guerin *in* Sagra, Hist. de Cuba, Ins., p. 408, 1857, *Syrtis.*
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 175, pl. 4, fig. 6, etc., 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 53, pl. 4, fig. 7, 1898.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
?longiceps Stål, Rio Jan. Hemip., i, p. 59, 1860.
Stål, Enum. Hemip., v, p. 133, 1876.
?simulans Stål, Rio. Jan. Hemip., i, p. 59, 1860.
Stål, Enum. Hemip., v, p. 133, 1876.
?acuta Stål, Rio Jan. Hemip., i, p. 60, 1860.
Stål, Enum. Hemip., v, p. 133, 1876.
Localities: Texas. (Neotropical.)

Subfamily MACROCEPHALINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xxxix, 291, 1843, Groupe *Macrocephalides.*
Dohrn, Cat. Hemip., p. 41, 1859, *Macrocephalidae.*
Walker, Cat. Heter., vi, pp. 169, 172, 1873, Fam. *Macrocephalidae.*
Stål, Enum. Hemip., v, p. 131, 1876, Subfam. *Macrocephalina.*
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 143, 1897, *Macrocephalinae.*

Genus **Macrocephalus** Swed.
Haplotype *cimicoides* Swed.

Swederus, Vet. Akad. Nya Handl., viii, p. 183, 1787.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2201, 1788.
Meyer *in* Thunberg, Charac. Genera Ins., edn. 2, p. 34, 1791.
Latreille, Genera Crust. Ins., iii, p. 137, 1807.

Latreille, Consid. Génl., p. 433, 1810 (names *manicata* pseudotype).
Le Peletier and Serville, Encyc. Méth., x, p. 120, 1825.
Latreille *in* Cuvier, Règne Anim., edn. 2, v, p. 200, note, 1829.
Leach *in* Brewster, Edinbg. Encyc., Am. edn., viii, p. 711, 1832 (for *cimi-*
Laporte, Essai, Classif. Syst. Ins., p. 15, 1832. [*coides*).
Burmeister, Handb. d. Ent., ii, p. 252, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 347, 1835.
Spinola, Essai sur les Hémip., p. 157, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 114, 1840 (names *cimicoides* type).
Westwood, Trans. Ent. Soc. Lond., iii, p. 22, 1843 (part).
Amyot and Serville, Hémip., p. 292, 1843.
Herrich–Schaeffer, Wanz. Ins., viii, p. 106, 1848.
Spinola, Tavola Sinot., p. 44, 1850 (excl. synon.).
Fieber, Europ. Hemip., p. 34, 1860.
Walker, Cat. Heter., vi, pp. 172, 173, 1873.
Stål, Enum. Hemip., v, pp. 132, 134, 1876.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, pp. 143, 181, 1897 (monograph).
Champion, Biol. Centr. Am., Heter., ii, p. 55, 1898.
Macrothyreus Westwood, Trans. Ent. Soc. Lond., iii, p. 30, 1843 (as sub- [gen. orthotype *cimicioides*).

691. **Macrocephalus cimicoides** Swed.

Swederus, Vet. Akad. Nya Handl., viii, p. 185, 1787.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2201, 1788.
Latreille, Genera Crust. Ins., iii, p. 138, 1807.
Brullé, Hist. Nat. des Ins., ix, p. 348, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 114, 1840.
Westwood, Trans. Ent. Soc. Lond., iii, p. 23, pl. 2, fig. 5, 1843.
Walker, Cat. Heter., vi, p. 173, 1873.
Stål, Hemip. Fabr., i, p. 94, 1868.
Stål, Enum. Hemip., v, p. 135, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 324, 1876.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 186, pl. 9, fig. 26, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 175, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 12, 1914.
macrocephalus Lamarck, Hist. Anim. s. Vert., iii, p. 307, 1816, *Phymata.*
†*manicatus* Burmeister, Handb. d. Ent., ii, p. 252, 1835.
Localities: "Canada," "Carolina," Ga., Fla., Texas, Calif.

692. **Macrocephalus manicatus** (Fabr.)

Fabricius, Syst. Rhyng., p. 123, 1803, *Syrtis.*
Wolff, Icon. Cimic., v, p. 169, fig. 163, 1811, *Syrtis.*
Le Peletier and Serville, Encyc. Méthod., x. p. 120, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 15, 1832.
Spinola, Essai sur les Hémip., p. 157, 1837 (1840).
Herrich–Schaeffer, Wanz. Ins., viii, p. 107. fig. 878, 1848.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 187, pl. 9, fig. 25, 1897.
Localities: "Carolina," Texas.

693. **Macrocephalus notatus** Westw.

Westwood, Trans. Ent. Soc. Lond., iii, p. 24, 1843 (excl. vars.).
Stål, Enum. Hemip., v, p. 135, 1876.

Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 188, pl. 9, figs. 27, 28, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 56, pl. 4, fig. 10, 1898.
Barber, Brookl. Inst., Sci. Bul., i, p. 282, 1906.
incisus Stål, Stet. Ent. Zeit., xxiii, p. 440, 1862.
Stål, Enum. Hemip., v, p. 135, 1876.
cliens Stål, Stet. Ent. Zeit., xxiii, p. 440, 1862.
Localities: Texas. (Neotropical.)

694. **Macrocephalus gracilis** Handl.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 193, 1897.
Locality: "N. Am."

695. **Macrocephalus prehensilis** (Fabr.)
Fabricius, Syst. Rhyng., p. 123, 1803, *Syrtis.*
Wolff, Icon. Cimic., v, p. 170, fig. 164, 1811, *Syrtis.*
Le Peletier and Serville, Encyc. Méth., x, p. 120, 1825.
Westwood, Trans. Ent. Soc. Lond., iii, p. 26, 1843.
Amyot and Serville, Hémip., p. 293, 1843.
Herrich–Schaeffer, Wanz. Ins., viii, p. 108, fig. 879, 1848.
Stål, Hemip. Fabr., i, p. 94, 1868.
Stål, Enum. Hemip., v, p. 135, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 324, 1876.
Handlirsch, Ann. k. k. Nat. Hofm. Wien, xii, p. 194, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 63, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 175, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 507, 1914.
pallidus Westwood, Trans. Ent. Soc. Lond., iii, p. 27, 1843.
Localities: "Carolina," Ga., Fla., Ky., Tenn., Kan., N. Mex., Texas.

696. **Macrocephalus uhleri** Handl.
Handlirsch, Verh. Zool.-Bot. Ges. Wien, xlviii, p. 383, 1898.
Banks, Cat. Nearc. Hemip., p. 52, 1910.
arizonicus Cockerell, Entomol., xxxiii, p. 66, 1900.
Locality: Ariz.

Family REDUVIIDAE (Latr.)

Latreille, Genera Crust. Ins., iii, p. 126, 1807, *Reduvini.*
Stephens, Cat. Brit. Ins., ii, p. 350, 1829, *Reduviidae.*
Laporte, Essai Classif. Syst. Hémip., p. 5, 1832, *Reduvites.*
Burmeister, Handb. d. Ent., ii, p. 218, 1835, *Reduvini.*
Brullé, Hist. Nat. des Ins., ix, p. 305, 1835, *Reduviens.*
Spinola, Essai sur les Hémip., p. 69, 1837 (1840), *Reduvites.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 99, 1840, *Reduviens.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 471, Synop., p. 120, 1840, *Reduviidae.*
Spinola, Tavola Sinot., pp. 27, 44, 1850, *Reduvitae.*
Fieber, Genera Hydroc., p. 9, 1851, *Reduvidea.*
Herrich–Schaeffer, Wanz. Ins., ix, p. 85, 1853, *Reduvini.*
Flor, Rhyn. Livl., i, pp. 66, 675, 1860, *Reduvina.*
Fieber, Europ. Hemip., pp. 25, 40, 149, 1861, *Reduvidae.*

Stål, Hemip. Afr., iii, p. 43, 1865, *Reduviida.*
Stål, Enum. Hemip., ii, p. 66, 1872, *Reduviina.*
Stål, Enum. Hemip., iv, p. 3, 1874, *Reduviidae.*
Uhler, Check List, p. 23, 1886, *Reduvioidea.*
Puton, Cat. Hemip. Palae., p. 37, 1886, *Reduvides.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 69, 1896, *Reduvidae.* (Like [those preceding this includes the *Nabidae.*)
Champion, Biol. Centr. Am., Heter., ii, p. 162, 1898, *Reduviidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 196, 1903, *Reduviidae.*
Oshanin, Verz. Palae. Hemip., i, p. 505, 1908, *Reduviidae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 73, 1910, *Reduviidae.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 16, 1911, *Reduviidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 56, 1912,
Oshanin, Kat. Palae. Hemip., p. 48, 1912, *Reduviidae.* [*Reduviidae.*
Nudicolles Latreille, Fam. Nat. Règne Anim., p. 423, 1825.
Nudirostri Amyot and Serville, Hémip., pp. xli, 314, 1843.
Dohrn, Cat. Hemip., p. 44, 1859.
Walker, Cat. Heter., vii, p. 45, 1873, *Nudirostra.*

Subfamily EMESINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xlviii, 393, 1843, *Longicorii* Groupe *Emesides.*
Spinola, Tavola Sinot., p. 45, 1850, *Emesoideae.*
Dohrn, Cat. Hemip., p. 52, 1859, *Emesina.*
Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Emesida.*
Dohrn, Linnaea Ent., xiv, p. 206, 1860, *Emesina.*
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862, *Emesida.*
Dohrn, Linnaea Ent., xv, p. 42, 1863, *Emesina.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 44, 1872, *Emesina.*
Stål, Enum. Hemip., ii, pp. 67, 125, 1872, *Emesina.*
Walker, Cat. Heter., vii, pp. 51, 53, 86, 1873; viii, p. 144, 1873, *Emesidae.*
Stål, Enum. Hemip., iv, pp. 67, 92, 1874, *Emesina.*
Uhler, Stand. Nat. Hist., ii, p. 276, 1884, *Emesidae.*
Uhler, Check List, p. 26, 1886, *Emesidae.*
Puton, Cat. Hémip. Palae., p. 37, 1886, Tribe *Emesini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 69, 1896, *Emesidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 162, 1898, *Emesinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 200, 1903, *Emesinae.*
Oshanin, Verz. Palae. Hemip., i, p. 505, 1908, *Emesina.*
Banks, Psyche, xvi, p. 43, 1909, *Emesidae.*
Banks, Cat. Nearc. Hemip., p. 20, 1910, *Emesidae.*
Baker, Pomona Jl. Ent., ii, p. 225, 1910.
Oshanin, Kat. Palae. Hemip., p. 48, 1912, *Emesinae.*
Ploiarini Costa, Cimic. Regn. Neap., Cent., iv, p. 66, 1852.
Kirkaldy, Fauna Hawien., iii, p. 151, 1902, *Ploiariinae.*

TRIBE *PLOIARIOLIINAE* Van D.

Van Duzee, Check List Hemip., p. 27, 1916.
Ploiariida Stål, Berl. Ent. Zeit., iii, p. 328, 1859.
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862, *Ploeariida.*
Dohrn, Linnaea Ent., xv, p. 43, 1863, *Ploiaridae.*
Stål, Hemip. Afr., iii, p. 45, 1865.

Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 44, 1872, *Ploeariina.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 65, 1872, *Ploeariina.*
Stål, Enum. Hemip., ii, p. 67, 125, 1872, *Ploeariina.*
Stål, Enum. Hemip., iv, pp. 92, 94, 1874, Div. *Ploiariaria.*
Uhler, Check List, p. 26, 1886, *Ploearina.*
Stenolemaria Kirkaldy, Fauna Hawai., iii, p. 125, 1902 (Division).
Distant, Fauna Br. Ind., Rhyn., ii, p. 201, 1903 (Division).
Oshanin, Verz. Palae. Hemip., i, p. 505, 1908 (Division).
Oshanin, Kat. Palae. Hemip., p. 48, 1912 (Tribe).

Genus **Ploiariola** Reut.
Logotype *vagabunda* Linn.

Reuter, Rev. Synon., p. 357, No. 330, 1888 (n.n. for †*Ploiaria* Latr.).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 69, 1896.
Distant, Fauna Br. Ind., Rhyn., ii, p. 201, 1903.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 20, 1912.
Oshanin, Kat. Palae. Hemip., p. 48, 1912.
†*Gerris* Schellenberg, Land u. Wasserwanzen, p. 24, 1800.
Burmeister, Handb. d. Ent., ii, p. 223, 1835.
Flor, Rhyn. Livl., i, p. 686, 1860.
†*Ploiaria* Latreille, Hist. Nat. Crust. Ins., iii, p. 249, 1802.
Latreille, Genera Crust. Ins., iii, p. 130, 1807.
Latreille, Consid. Génl., p. 433, 1810 (names *vagabundus* Fabr. type).
Leach *in* Brewster's Edinbg. Encyc., ix, p. , 1815. [species).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 500, 1816 (*vagabunda* only
Laporte, Essai Classif. Syst. Hémip., p. 13, 1832 (names *vagabundus*
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 62, 1835. [type).
Brullé, Hist. Nat. des Ins., ix, p. 310, 1835.
Latreille *in* Cuvier Anim. Kingd., Lond. edn., iv, p. 167, 1836.
Spinola, Essai sur les Hémip., p. 84, 1837.
Blanchard, Hist. Nat. des Ins., Hémip., p. 100, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840.
Amyot and Serville, Hémip., p. 396, 1843.
Dohrn, Linnaea Ent., xiv, p. 214, 1860.
Fieber, Europ. Hemip., pp. 41, 149, 1861, *Ploearia.*
Dohrn, Linnaea Ent., xv, p. 55, 1863.
Douglas and Scott, Brit. Hemip., p. 534, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 65, 1872, *Ploearia.*
Stål, Enum. Hemip., iv, p. 94, 1874.
Bergroth, Verh. Zool.-Bot. Ges. Wien, lvi, p. 305, 1906.
†*Emesa* Provancher, Pet. Faune Ent. Can., iii, 185, 1888.
†*Ploiariodes* Champion, Biol. Centr. Am., Heter., ii, pp. 163, 165, 1898.
Oshanin, Verz. Palae. Hemip., i, p. 505, 1908.
Banks, Psyche, xvi, p. 45, 1909.

697. **Ploiariola errabunda** (Say)

Say, Heter. N. Harm., p. 34, 1832; Fitch reprint, p. 803; Compl. Writ., i, p.
Dohrn, Linnaea Ent., xv, p. 62, 1863 (copies Say's desc.). [359, *Ploiaria.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 107, 1871, *Ploearia.*
Stål, Enum. Hemip., ii, p. 128, 1872 (genus?).
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 431, 1878, *Ploearia.*
Uhler, Stand. Nat. Hist., ii, p. 277, 1884, *Ploiaria.*

Uhler, Check List, p. 26, 1886, *Cerascopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 24, 1907; ix, p. 176, 1909, [*Ploiariodes.*
Banks, Psyche, xvi, p. 46, 1909, *Ploiariodes.*
Smith, Cat. Ins. N. J., edn. 3, p. 153, 1910.
Van Duzee, Can. Ent., xliv, p. 324, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
maculata Haldemann, Proc. Acad. Nat. Sci., Phila., iii, p. 151, 1847, [*Ploiaria.*
†*longipes* Provancher, Pet. Faune Ent. Can., iii, p. 186, 1888, *Emesa.*
Localities: Quebec, N. H., Pa., Md., Va.

698. **Ploiariola tuberculata** Banks

Banks, Psyche, xvi, p. 46, 1909, *Ploiariodes.*
Parshley, Psyche, xxi, p. 144, 1914, *Ploiariodes.*
Localities: Me., N. Y., Va.

699. **Ploiariola californica** Banks.

Banks, Psyche, xvi, p. 46, 1909, *Ploiariodes.*
Baker, Pomona Jl. Ent., ii, p. 227, 1910, *Ploiariodes.*
Locality: Calif.

700. **Ploiariola hirtipes** Banks

Banks, Psyche, xix, p. 97, 1912, *Ploiariodes.*
Locality: Vt.

Genus **Stenolemus** Sign.
Haplotype *spinicollis* Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 3, vi, p. 251, 1858.
Dohrn, Linnaea Ent., xiv, p. 250, 1860.
Stål, Enum. Hemip., ii, p. 125, 1872; iv, pp. 92, 94, 1874.
Champion, Biol. Centr. Am., Heter., ii, pp. 163, 164, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 203, 1903.
Bergroth, Psyche, xviii, p. 17, 1911.
Bergroth, Ann. Am. Mus. Nat. Hist., xxxi, p. 348, 1912.
Phantasmatophanes Kirkaldy, Proc. Linn. Soc. N. S. Wales, xxxiii, p. 369, [1908 (orthotype *muiri* Kirk.).

701. **Stenolemus spiniventris** Sign.

Signoret, Ann. Soc. Ent. Fr., Ser. 3, vi, p. 253, pl. 6, figs. 1–3, 1858.
Dohrn, Linnaea Ent., xiv, p. 250, 1860.
Stål, Enum. Hemip., ii, p. 125, 1872.
Uhler, Stand. Nat. Hist., ii, p. 277, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 164, 1898.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: Ariz., Fla. (Mexico.)

TRIBE *LEISTARCHINI* (Stål)

Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862, *Leistarchida.*
Stål, Enum. Hemip., iv, p. 92, 1874, Div. *Leistarcharia.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 207, 1903, Div. *Leistarcharia.*
Oshanin, Verz. Palae. Hemip., i, p. 509, 1908, Div. *Leistarcharia.*
Oshanin, Kat. Palae. Hemip., p. 49, 1912, Div. *Leistarcharia.*

Genus **Ploiaria** Scop.
Haplotype *domestica* Scop.

Scopoli Del. Flora Fauna Insubr., i, p. 60, 1786.
Reuter, Rev. Synon., p. 359, No. 332, 1888.
Noualhier, Revue d'Ent., xiv, p. 166, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 174, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 209, 1903.
Banks, Psyche, xvi, p. 44, 1909.
Cerascopus Heineken, Zool. Jl., v, p. 36, 1830.
Stål, Hemip. Afr., iii, p. 163, 1865.
Stål, Enum. Hemip., ii, pp. 126, 127, 1872; iv, pp. 93, 95, 1874.
Emesodema Spinola, Essai sur les Hémip., p. 87, 1837 (1840).
Spinola, Tavola Sinot., p. 45, 1850.
Herrich-Schaeffer, Wanz. Ins., ix, p. 115, 1853.
Dohrn, Linnaea Ent., xiv, pp. 213, 246, 1860.

702. **Ploiaria simplicipes** Uhl.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 430, 1878, *Emesodema.*
Uhler, Check List, p. 26, 1886, *Barce.*
Bueno, Jl. N. E. Ent. Soc., xvi, p. 234, 1908, *Barce.*
Smith, Cat. Ins. N. J., edn. 3, p. 153, 1910, *Barce.*
Localities: Mass., N. Y.

703. **Ploiaria texana** Banks
Banks, Psyche, xvi, p. 44, 1909.
Locality: Texas.

704. **Ploiaria arizonensis** (Banks)
Banks, Psyche, xvi, p. 45, 1909, *Luteva.*
Locality: Calif.

705. **Ploiaria californiensis** Bak.
Baker, Pomona Jl. Ent., ii, p. 226, 1910.
Locality: Calif.

Genus **Ploiariopsis** Champ.
Logotype *megalops* Champ.

Champion, Biol. Centr. Am., Heter., ii, pp. 163, 173, 1898.
Banks, Psyche, xvi, pp. 43, 44, 1909.

706. **Ploiariopsis hirticornis** Banks
Banks, Psyche, xvi, p. 44, 1909.
Locality: N. C.

707. **Ploiariopsis reticulata** Bak.
Baker, Pomona Jl. Ent., ii, p. 225, 1910.
Locality: Calif.

Genus **Luteva** Dohrn
Logotype *concolor* Dohrn

Dohrn, Linnaea Ent., xiv, pp. 213, 242, 1860.
Stål, Enum. Hemip., ii, pp. 126, 127, 1872; iv, pp. 93, 95, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 163, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 208, 1903.
Banks, Psyche, xvi, pp. 43, 45, 1909.

708. **Luteva carolina** H. S.

Herrich–Schaeffer, Wanz. Ins., ix, p. 115, fig. 936, 1853, *Emosodema.*
Dohrn, Linnaea Ent., xiv, p. 250, 1860, *Emesodema.*
Stål, Enum. Hemip., ii, p. 127, 1872.
Bergroth, Psyche, xviii, p. 19, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914, *Ploiaria.*
Locality: "Carolina," Fla.

TRIBE *EMESINI* (Dohrn)

Dohrn, Linnaea Ent., xiv, p. 253, 1860, *Emesida.*
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862, *Emesida.*
Dohrn, Linnaea Ent., xv, p. 43, 1863, *Emesidae.*
Stål, Hemip. Afr., iii, pp. 45, 162, 1865.
Stål, Enum. Hemip., iv, p. 93, 1874.
Distant, Fauna Br. Ind., Rhyn., ii, p. 210, 1903.

Genus **Emesa** Fabr.
Orthotype *precatoria* Fabr.

Fabricius, Syst. Rhyng., p. 263, 1803. [type].
Laporte, Essai Classif. Syst. Hémip., p. 84, 1832 (names *mantis* Fabr. pseudo-
Burmeister, Handb. d. Ent., ii, p. 223, 1835.
Spinola, Essai sur les Hémip., p. 90, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 99, 1840.
Amyot and Serville, Hémip., p. 393, 1843.
Spinola, Tavola Sinot., p. 45, 1850.
Herrich–Schaeffer, Wanz. Ins., ix, p. 113, 1853.
Dohrn, Linnaea Ent., xiv, p. 215, 1860.
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862.
Stål, Hemip. Afr., iii, p. 162, 1865.
Stål, Of. Vet. Akad. Forh., xxvii, p. 704, 1870.
Stål, Enum. Hemip., ii, pp. 125, 126, 1872.
Walker, Cat. Heter., vii, pp. 51, 86, 1873; viii, pp. 144, 145, 1873.
Champion, Biol. Centr. Am., Heter., ii, pp. 163, 168, 1898.
†*Ploiaria* Say, Am. Entomol., iii, pl. 47, 1828; Compl. Writ., i, p. 105.

709. **Emesa brevipennis** (Say)

Say, Am. Entomol., iii, pl. 47, 1828; Compl. Writ., i, p. 106, *Ploiaria.*
Dohrn, Linnaea Ent., xiv, p. 220, 1860.
Walker, Cat. Heter., viii, p. 145, 1873.
‖*longipes* De Geer, Mémoirs, iii, p. 352, pl. 35, figs. 16, 17, 1773, *Cimex.*
Goeze, Ent. Beytr., ii, p. 273, No. 10, 1778, *Cimex.*
Retzius, Genera Spec. Ins., p. 89, 1783, *Cimex.*
Burmeister, Handb. d. Ent., ii, p. 223, 1835.
Dohrn, Linnaea Ent., xiv, p. 221, 1860.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 107, 1871.
Stål, Enum. Hemip., ii, p. 126, 1872.
Walker, Cat. Heter., viii, p. 146, 1873 (part).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 429, 1878.
Uhler, Stand. Nat. Hist., ii, p. 276, 1884.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 287, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 168, pl. 10, figs. 13, 14, 1898.

Barber, Brookl. Inst. Sci. Bul., vi, p. 283, 1906.
Bueno, Jl. N. Y. Ent. Soc., p. 234, 1908.
Wickham, Ottawa Nat., xxii, p. 255, 1909.
Banks, Psyche, xvi, p. 48, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 153, 1910.
Wickham, Ent. News, xxi, p. 27, 1910 (habits).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
†*filum* Gray *in* Griffiths' Anim. Kingd., xv, p. 244, pl. 97, fig. 3, 1832.
pia Amyot and Serville, Hémip., p. 394, 1843.
Herrich-Schaeffer, Wanz. Ins., ix, p. 114, 1853.
Dohrn, Linnaea Ent., xiv, p. 231, 1860.
affinis Dohrn, Linnaea Ent., xiv, p. 222, 1860. [Dohrn).
choctawana Kirkaldy, Can. Ent., xli, p. 388, 1909 (n.n. for *brevipennis*
Localities: Mass., Conn., N. Y., N. J., Pa., Md., N. C., Fla., Ind., Ill., Ia., Texas.

710. **Emesa brevicoxa** Banks

Banks, Psyche, xvi, p. 48, 1909.
Locality: Calif.

Genus **Ghilianella** Spin.
Haplotype *filiventris* Spin.

Spinola, Generi Ins. Arthr., p. 142, 1852.
Dohrn, Linnaea Ent., xiv, p. 236, 1860.
Stål, Of. Vet. Akad. Forh., xix, p. 504, 1862; xxvii, p. 704, 1870.
Stål, Hemip. Afr., iii, p. 162, 1865.
Stål, Enum. Hemip., ii, p. 126, 1872.
Walker, Cat. Heter., vii, p. 86, 1873; viii, pp. 144, 147, 1873.
Champion, Biol. Centr. Am., Heter., ii, pp. 163, 169, 1898.

711. **Ghilianella productilis** Barb.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Locality: Fla.

Genus **Gardena** Dohrn
Haplotype *melinarthrum* Dohrn

Dohrn, Linnaea Ent., xiv, p. 214, 1860.
Stål, Of. Vet. Akad. Forh., xxvii, p. 704, 1870.
Stål, Enum. Hemip., iv, p. 93, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 167, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 214, 1903.

712. **Gardena americana** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 167, pl. 10, fig. 12, 1898.
Banks, Cat. Nearc. Hemip., p. 21, 1910.
Localities: Texas(?) (Banks). (Neotropical.)

Genus **Barce** Stål
Haplotype *annulipes* Stål

Stål, Hemip. Afr., iii, p. 163, 1865 (invalid here).
Stål, Berl. Ent. Zeit., x, p. 168, 1867 (valid here).
Stål, Enum. Hemip., ii, pp. 125, 127, 1872.
Banks, Psyche, pp. 43, 46, 1909.

713. **Barce annulipes** Stål

Stål, Berl. Ent. Zeit., x, p. 168, 1867.
Stål, Enum. Hemip., ii, p. 127, 1872.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 234, 1908.
Banks, Psyche, xvi, p. 47, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 153, 1910.
†*errabundus* Provancher, Pet. Faune Ent. Can., iii, p. 186, 1888, *Cerascopus.*
Barce sp., Van Duzee, Can. Ent., xliv, p. 324, 1912.
Localities: Quebec, Ont., N. Y., N. J., Va., La., Wis.

714. **Barce uhleri** Banks

Banks, Psyche, xvi, p. 47, 1909.
a. var. **brunnea** Banks
Banks, Psyche, xvi, p. 47, 1909 (as var. of *uhleri*).
Localities: N. Y., N. J., Va., N. C.

715. **Barce fraterna** (Say)

Say, Heter. N. Harm., p. 33, 1832; Fitch reprint, p. 803; Compl. Writ., i, p. [358, *Ploiaria.*
Banks, Psyche, xvi, p. 47, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: Mass., N. Y., Md., Va., N. C., Kan., La.

716. **Barce banski** Bak.

Baker, Pomona Jl. Ent., ii, p. 227, 1910.
Locality: Calif.

Subfamily SAICINAE (Stål)

Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Saicida.*
Dohrn, Linnaea Ent., xiv, pp. 253, 254, 1860, *Saicidae.*
Stål, Hemip. Afr., iii, pp. 44, 161, 1865, *Saicida.*
Stål, Hemip. Fabr., i, p. 129, 1868, *Saicida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, pp. 44, 47, 1872, *Saicina.*
Stål, Enum. Hemip., ii, pp. 44, 124, 1872; iv, pp. 4, 90, 1874, *Saicina.*
Uhler, Check List, p. 26, 1886, *Saicina.*
Puton, Cat. Hemip. Palae., edn. 3, p. 37, 1886, Div. *Saicaria.*
Lethierry and Severin, Cat. Génl. Hémip.. iii, p. 78, 1896, *Saicidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 176, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 217, 1903.
Oshanin, Verz. Palae. Hemip., i, p. 512, 1908, *Saicina.*
Oshanin, Kat. Palae. Hemip., p. 49, 1912, *Saicinae.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 219, 1913, *Saicinae.*

Genus **Oncerotrachelus** Stål
Orthotype *acuminatus* Say

Stål, Hemip. Fabr., i, p. 130, 1868.
Stål, Enum. Hemip., ii, p. 124, 1872; iv, p. 91, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 180, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, p. 226, 1913.

717. **Oncerotrachelus acuminatus** (Say)

Say, Heter. N. Harm., p. 32, 1832; Fitch reprint, p. 800; Compl. Writ., i, [p. 356, *Reduvius.*
Stål, Hemip. Fabr., i, p. 130, 1868.

Stål, Enum. Hemip., ii, p. 124, 1872.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 425, 1878.
Uhler, Stand. Nat. Hist., ii, p. 279, 1884.
Barber, Brookl. Inst. Sci. Bul., i, p. 283, 1906.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 234, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 153, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 226, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: Mass., N. Y., N. J., Pa., Md., D. C., N. C., S. C., Fla., Ind., Minn., Texas.

Genus **Saica** Am. & Serv.
Haplotype *rubella* Am. & Serv.

Amyot and Serville, Hémip., p. 371, 1843.
Stål, Hemip. Afr., iii, p. 161, 1865.
Stål, Hemip. Fabr., i, p. 129, 1868.
Walker, Cat. Heter., viii, p. 127, 1873.
Stål, Enum. Hemip., ii, p. 124, 1873; iv, p. 91, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 176, 1898.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 504, 1914.

718. **Saica fusco-vittata** Barb.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 504, 1914.
Locality: Fla.

Subfamily STENOPODINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xlviii, 386, 1843, *Stenopodides.*
Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Stenopodida.*
Stål, Of. Vet. Akad. Forh., xvi, p. 383, 1859, *Stenopodida.*
Dohrn, Cat. Hemip., p. 47, 1859, *Stenopodidae.*
Stål, Hemip. Afr., iii, pp. 44, 148, 1865, *Stenopodida.*
Stål, Hemip. Fabr., i, p. 126, 1868, *Stenopodida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 144, 1868, *Stenopodida.*
Stål, Enum. Hemip., ii, p. 120, 1872, *Stenopodina.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 64, 1872, *Stenopodina.*
Stål, Enum. Hemip., iv, pp. 4, 83, 1874, *Stenopodina.*
Uhler, Stand. Nat. Hist., ii, p. 278, 1884, *Stenopodina.*
Uhler, Check List, p. 25, 1886, *Stenopodina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 81, 1896, *Stenopodidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 181, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 222, 1903.
Oshanin, Verz. Palae Hemip., i, p. 513, 1908, *Stenopodina.*
Oshanin, Kat. Palae. Hemip., p. 49, 1912.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 221, 226, 1913.

Genus **Pnirontis** Stål
Logotype *scutellaris* Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 381, 1859.
Stål, Hemip. Afr., iii, p. 149, 1865.
Stål, Hemip. Fabr., i, p. 126, 1868.
Stål, Enum. Hemip., ii, p. 120, 1872.
Walker, Cat. Heter., viii, p. 34, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 181, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 222, 226, 1913.

Subgenus **Centromelus** Fieb.
Haplotype *spinosissimus* Kol.

Fieber, Europ. Hemip., pp. 42, 151, 1861 (as genus).
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 147, 1868 (as genus).
Berg, Hemip. Argent., p. 173, 1879 (as genus).
Stål, Hemip. Fabr., i, p. 128, 1868.
Oshanin, Verz. Palae. Hemip., i, p. 515, 1908.

719. **Pnirontis languida** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 381, 1859.
Stål, Hemip. Fabr., i, p. 129, 1868.
Stål, Enum. Hemip., ii, p. 120, 1872.
Walker, Cat. Heter., viii, p. 34, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 331, 1876, *Centromelus*.
Champion, Biol. Centr. Am., Heter., ii, p. 183, pl. 16, fig. 13, 1898.
Barber, Brookl. Inst., Sci. Bul., i, p. 283, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: Ga., S. C., Fla., Texas.

720. **Pnirontis infirma** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 382, 1859.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 147, 1868, *Centromelus*.
Stål, Hemip. Fabr., i, p. 129, 1868.
Stål, Enum. Hemip., ii, p. 120, 1872.
Walker, Cat. Heter., viii, p. 34, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 183, pl. 11, figs. 11, 12, 1898.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 153, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 283, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 504, 1914.
?spinosissima Kolenati, Melet, Ent., Fasc. iv, p. 51, 1857, *Pygolampis*.
Fieber, Europ. Hemip., p. 151, 1861, *Centromelas*.
Localities: N. J., "Carolina," Ga., Fla., Texas. (Europe by error.)

721. **Pnirontis modesta** Banks

Banks, Ent. News, xxi, p. 324, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: Va., Fla., Ind.

Genus **Pygolampis** Germ.
Type *denticulatus* Germ. = *bidentata* (Goeze)

Germar, Fauna Europ., viii, p. 22, 1824.
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 62, 1835.
Burmeister, Handb. d. Ent., ii, p. 243, 1835. [*denticulatus* type).
Brullé, Hist. Nat. des Ins., ix, p. 324, 1835 (as subgen. of *Stenopoda;* names
Blanchard, Hist. Nat. des Ins., Hémip., p. 107, 1840 (as subgen. of *Stenopoda*).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840 (names *denticu-*
Amyot and Serville, Hémip., p. 391, 1843. [*latus* type).
Stål, Of. Vet. Akad. Forh., xvi, p. 378, 1859.
Fieber, Europ. Hemip., pp. 41, 150, 1861.
Stål, Hemip. Afr., iii, p. 149, 1865.
Douglas and Scott, Brit. Hemip., p. 538, 1865.

Stål, Hemip. Fabr., i, p. 126, 1868.
Stål, Enum. Hemip., ii, p. 121, 1872.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 47, 1872.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 64, 1872.
Walker, Cat. Heter., viii, p. 33, 1873.
Stål, Enum. Hemip., iv, pp. 84, 85, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 183, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 222, 1903.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 222, 227, 1913.
Ochetopus Hahn, Wanz. Ins., i, p. 176, 1831. (Haplotype *spinicollis* Hahn.)
Spinola, Essai sur les Hémip., p. 71, 1837.
Spinola, Tavola Sinot., p. 46, 1850.

722. **Pygolampis spurca** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 379, 1859.
Stål, Enum. Hemip., ii, p. 121, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 183, pl. 11, figs. 14, 15, 1898.
Localities: "S. St." (Neotropical.)

723. **Pygolampis sericea** Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 378, 380, 1859.
Stål, Enum. Hemip., ii, p. 121, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Bueno and Brimley, Ent. News, xviii, p. 436, 1907.
Localities: Mass., N. Y., Pa., Md., N. C., S. C., Texas.

724. **Pygolampis pectoralis** (Say)

Say, Ins. of La., p. 11, 1832; Heter. N. Harm., p. 33, 1832; Fitch reprint, p. [802, *Reduvius.*
Say *in* Compl. Writ., i, pp. 306, 357, *Reduvius.*
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871.
Stål, Enum. Hemip., ii, p. 121, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 429, 1878.
Gillette and Baker, Hemip. Colo., p. 60, 1895.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Parshley, Psyche, xxi, p. 144, 1914.
fuscipennis Stål, Of. Vet. Akad. Forh., xvi, p. 379, 1859.
Localities: Me., Mass., N. Y., N. J., Del., Md., S. C., Fla., Ill., Colo., La., Texas, Ariz., Calif.

Genus **Gnathobleda** Stål
Haplotype *fraudulenta* Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 380, 1859.
Stål, Hemip. Fabr., i, p. 126, 1868.
Stål, Enum. Hemip., ii, p. 121, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 184, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 222, 227, 1913.

725. **Gnathobleda tumidula** Stål

Stål, Enum. Hemip., ii, p. 121, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Fracker, Proc. Ia. Acad. Sci., xix, p. 227, 1913.
Localities: Ga., Texas.

Genus **Schumannia** Champ.
Haplotype *mexicana* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 185, 1898.

726. **Schumannia mexicana** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 185, pl. 11, fig. 18, 1898.
Bueno and Brimley, Ent. News, xviii, p. 436, 1907.
Localities: N. C. (Mexico.)

Genus **Stenopoda** Lap.
Orthotype *cinerea* Lap. = *culiciformis* Fabr.

Laporte, Essai Classif. Syst. Hémip., p. 26, 1832.
Burmeister, Handb. d. Ent., ii, p. 243, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 323, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 107, 1840.
Amyot and Serville, Hémip., p. 390, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 90, 1848.
Spinola, Tavola Sinot., p. 46, 1850.
Stål, Of. Vet. Akad. Forh., xvi, p. 383, 1859.
Stål, Hemip. Afr., iii, p. 149, 1865.
Stål, Hemip. Fabr., i, p. 127, 1868.
Stål, Enum. Hemip., ii, p. 122, 1872.
Walker, Cat. Heter., viii, p. 30, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 187, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 222, 227, 1913.

727. **Stenopoda culiciformis** (Fabr.)

Fabricius, Syst. Ent., p. 728, 1775, *Cimex.*
Goeze, Ent. Beytr., ii, p. 272, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 376, 1781, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 308, 1787, *Cimex.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2193, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 189, 1794, *Gerris.*
Fabricius, Syst. Rhyng., p. 262, 1803, *Gerris.*
Stål, Hemip. Fabr., i, p. 129, 1868.
Stål, Enum. Hemip., ii, p. 122, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330.
Uhler, Stand. Nat. Hist., ii, p. 278, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 210.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 287, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 187, 1898.
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
cinerea, Laporte, Essai Classif. Syst. Hémip., p. 26, pl. 52, fig. 2, 1832.
Burmeister, Handb. d. Ent., ii, p. 244, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 323, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 107, 1840.
Uhler, Hayden's Surv. Terr. for 1871, p. 421, 1872.
subinermis Stål, Of. Vet. Akad. Forh., xvi, p. 384, 1859.
Stål, Enum. Hemip., ii, p. 122, 1872.

†*cana* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 210.
§*culicis* Bueno, Jl. N. Y. Ent. Soc., xvi, p. 235, 1908.
Localities: N. J., N. C., Ga., Fla., Ala., Ark., Texas, Okl.

Genus **Oncocephalus** Klug
Type *notatus* Klug

Klug, Symb. Physicae, Ins., ii, p. , 1830 (as subgen. of *Reduvius*).
Burmeister, Handb. d. Ent., ii, p. 242, 1835.
Spinola, Essai sur les Hémip., p. 101, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 107, 1840 (subgen. of *Stenopoda*).
Amyot and Serville, Hémip., p. 386, 1843.
Spinola, Tavola Sinot., p. 46, 1850.
Fieber, Europ. Hemip., pp. 42, 151, 1861.
Stål, Hemip. Afr., iii, pp. 150, 155, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 47, 1872.
Walker, Cat. Heter., vii, pp. 50, 78; viii, p. 23, 1873.
Stål, Enum. Hemip., iv, pp. 84, 87, 1874.
Reuter, Monog. Oncoceph., p. 3, 1882 (*in* Acta Soc. Sci. Fenn., xii).
Distant, Fauna Br. Ind., Rhyn., ii, p. 227, 1903.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 222, 228, 1913.
Baebius Stål, Hemip. Afr., iii, pp. 150, 154, 1865.
¶*Spilolonius* Stål, Hemip. Fabr., i, p. 128, 1868.
Stål, Enum. Hemip., ii, p. 123, 1872.

728. **Oncocephalus geniculatus** (Stål)

Stål, Enum. Hemip., ii, p. 123, 1872, *Spilolonius*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876, *Spilolonius*.
Reuter, Monog. Oncoceph., p. 55, 1872.
Gillette and Baker, Hemip. Colo., p. 60, 1895, *Spilolonius*.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 152, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 284, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: Fla., Texas, Colo.

729. **Oncocephalus apiculatus** Reut.

Reuter, Monog. Oncoceph., p. 56, 1882.
Locality: Mo.

730. **Oncocephalus nubilus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 12, 1914.
Localities: Ariz., Calif.

Genus **Narvesus** Stål
Haplotype *carolinensis* Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 383, 384, 1859.
Stål, Hemip. Fabr., i, p. 128, 1868.
Stål, Enum. Hemip., ii, p. 124, 1872.
Walker, Cat. Heter., viii, pp. 30, 31, 1873.
Reuter, Monog. Oncoceph., p. 76, 1882 (Acta Soc. Sci. Fenn., xii, p. 675).
Champion, Biol. Centr. Am., Heter., ii, p. 188, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, p. 222, 1913.

731. **Narvesus carolinensis** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 385, 1859.
Stål, Enum. Hemip., ii, p. 124, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 332, 1876.
Reuter, Monog. Oncoceph., p. 76, 1882.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 210.
Champion, Biol. Centr. Am., Heter., ii, p. 188, pl. 11, fig. 19, 1898.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 228, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: N. J., S. C., Fla., Mo., Texas, Ariz.

Genus **Diaditus** Stål
Haplotype *semicolon* Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 383, 1859.
Stål, Hemip. Fabr., i, p. 128, 1868.
Stål, Enum. Hemip., ii, p. 125, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 188, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 226, 1903.
Fracker, Proc. Ia. Acad. Sci., xix, p. 222, 1913.

732. **Diaditus pictipes Champ.**

Champion, Biol. Centr. Am., Heter., ii, p. 189, pl. 11, fig. 21, 1898.
Barber, Brookl. Inst. Sci. Bul., i, p. 284, 1906.
Fracker, Proc. Ia. Acad. Sci., xix, p. 228, 1913.
Localities: Texas. (Mexico.)

Subfamily REDUVIINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xliii, 333, 1843, Groupe *Reduvides.*
Spinola, Tavola Sinot., p. 145, 1850, Subfam. *Reduvioideae.*
Puton, Synop. Heter. Fr., i, p. 168, 1879, Div. *Reduviaria.*
Reuter, Revue d'Ent., vi, p. 157, 1887, *Rediviina.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 248, 1904, *Reduviinae.*
Oshanin, Verz. Palae. Hemip., i, p. 522, 1908, *Reduviina.*
Oshanin, Kat. Palae. Hemip., p. 50, 1912, *Reduviinae.*
Acanthaspidida Stål, Hemip. Afr., iii, p. 44, 1865.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 46, 1872, *Acanthaspidina.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 63, 1872, *Acanthaspidida.*
Stål, Enum. Hemip., ii, p. 108, 1872; iv, pp. 4, 63, 1876, *Acanthaspidina.*
Uhler, Check List, p. 25, 1886, *Acanthaspidina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 95, 1896, *Acanthaspidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 190, 1898, *Acanthaspidinae.*
Conorhinini Banks, Cat. Nearc. Hemip., p. 17, 1910.

Genus **Reduvius** Fabr.
Logotype *personatus* Linn.

Fabricius, Syst. Ent., p. 729, 1775.
Fabricius, Ent. Syst., iv, p. 193, 1794.
Latreille, Précis, p. 84, 1796.
Lamarck, Syst. Anim. s. Vert., p. 294, 1801 (names *personatus* type).

Latreille, Hist. Nat. Crust. Ins., iii, p. 249, 1802 (names *personatus* example).
Walckenaer, Faune Paris., Ins., ii, p. 351, 1802.
Stål, Syst. Rhyng., p. 266, 1803 (names *fuscipes* pseudotype).
Latreille, Hist. Nat. Crust. Ins., xii, p. 257, 1804.
Latreille, Genera Crust. Ins., iii, p. 128, 1807.
Fallén, Monog. Cimic., p. 119, 1807.
Latreille, Consid. Génl., pp. 256, 433, 1810 (names *personatus* type).
Leach, Brewster's Edinbg. Encyc., ix, p. , 1815.
Fallén, Hemip. Suec., Cimic., p. 155, 1829.
Latreille, Cuvier, Règne Animal, edn. 2, v, p. 202, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 7, 1832 (names *personatus* type).
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 711, 1832 (for *per-*
Hahn, Wanz. Ins., ii, p. 16, 1834. [*sonatus*).
Herrich-Schaeffer, Nomen. Ent., 1, pp. 38, 61, 1835.
Burmeister, Handb. d. Ent., ii, p. 234, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 318, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 166, 1836.
Spinola, Essai sur les Hémip., p. 120, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 103, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840.
Amyot and Serville, Hémip., p. 337, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 40, 1848.
Spinola, Tavola Sinot., p. 46, 1850.
Flor, Rhyn. Livl., i, p. 677, 1860.
Fieber, Europ. Hemip., pp. 42, 155, 1861.
Puton, Synop. Heter. Fr., i, p. 173, 1879.
Provancher, Pet. Faune Ent. Can., iii, p. 183, 1887.
Reuter, Rev. Synon., p. 354, No. 326, 1888.
Reuter, Monog. Reduvius, p. 3, 1892 (Acta Soc. Sci. Fenn., xix, No. 15).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 97, 1896.
Distant, Fauna Br. Ind., Rhyn., ii, p. 250, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 528, 1908.
Oshanin, Kat. Palae. Hemip., p. 51, 1912.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 221, 229, 1913.

Opsicoetus Klug, Symb. Physicae, Ins., ii, p. , 1830.
Stål, Of. Vet. Akad. Forh., xvi, p. 191, 1859.
Stål, Hemip. Afr., iii, pp. 122, 138, 1865.
Stål, Hemip. Fabr., i, p. 124, 1868.
Stål, Enum. Hemip., ii, pp. 109, 119, 1872.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 46, 1872.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 63, 1872.
Stål, Enum. Hemip., iv, pp. 66, 77, 1874.
Uhler, Check List, p. 25, 1886.

Oplistopus Jakowlef, Horae Soc. Ent. Ross., viii, p. 78, 1874.

733. **Reduvius personatus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 446, 1758, *Cimex*.
Sulzer, Kennz. der Ins., pl. 11, fig. 74, 1761, *Cimex*.
Linnaeus, Fauna Suec., 2nd. edn., p. 252, No. 941, 1761, *Cimex*.
Geoffroy, Hist. Abreg. des Ins., i, p. 436, No. 4, 1762 (La Punaise mouche).
Scopoli, Ent. Carn., p. 130, 1763, *Cimex*.

Fabricius, Syst. Ent., p. 730, 1775.
Fourcroy, Ent. Paris., i, p. 195, 1785, *Cimex.*
Fabricius, Ent. Syst., iv, p. 194, 1794.
Lamarck, Syst. Anim. s. Vert., p. 294, 1801.
Wolff, Icon. Cimic., ii, p. 79, fig. 76, 1801.
Schrank, Fauna Boic., p. 100, 1801.
Walckenaer, Fauna Paris., ii, p. 352, 1802.
Latreille, Hist. Nat. Crust. Ins., iii, p. 249, 1802.
Fabricius, Syst. Rhyng., p. 267, 1803.
Panzer, Fauna Germ., Fasc. 88, fig. 22, 1804.
Latreille, Hist. Nat. Crust. Ins., xii, p. 258, 1804.
Latreille, Genera Crust. Ins., iii, p. 129, 1807.
Fallén, Monog. Cimic. Suec., p. 120, 1807.
Fallén Hemip. Suec., Cimic., p. 156, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 8, 1832.
Hahn, Wanz. Ins., ii, p. 17, fig. 125, 1834.
Herrich–Schaeffer, Nomen. Ent., i, p. 61, 1835.
Burmeister, Handb. d. Ent., ii, p. 235, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 319, 1835.
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 166, 1836.
Spinola, Essai sur les Hémip., p. 120, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 104, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840.
Amyot and Serville, Hémip., p. 337, 1843.
Stål, Of. Vet. Akad. Forh., xvi, p. 191, 1859, *Opsicoetus.*
Flor, Rhyn. Livl., i, p. 679, 1860.
Fieber, Europ. Hemip., p. 155, 1861.
Douglas and Scott, Brit. Hemip., p. 344, 1865.
Stål, Hemip. Fabr., i, p. 125, 1868, *Opsicoetus.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 46, 1872, *Opsicoetus.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 63, 1872, *Opsicoetus.*
Walker, Cat. Heter., vii, p. 180, 1873.
Stål, Enum. Hemip., iv, p. 77, 1874, *Opsicoetus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 425, 1878.
Uhler, Stand. Nat. Hist., ii, p. 280, 1884, *Opsicoetus.*
Provancher, Pet. Faune Ent. Can., iii, p. 184, 1887, *Opsicoetus.*
Reuter, Revue Synon., p. 354, No. 326, 1888.
Reuter, Monog. Reduvius, p. 7, 1892 (Acta Soc. Sci. Fenn., xix, No. 15).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894 *Opsicoetus.*
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Van Duzee, Can. Ent., xliv, p. 324, 1912.
Fracker, Proc. Ia. Acad. Sci., xix, p. 229, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.

†*ater* (Poda), Ins. Graec., p. 67, 1761, *Cimex.*

quisquilius (De Geer), Memoirs, iii, p. 282, pl. 15, figs. 1–9, 1773, *Cimex.*
Retzius, Genera et Spec. Ins., p. 86, 1783, *Cimex.*

annulata (Harris), Expos. Eng. Ins., p. 89, pl. 26, fig. 5, 1781, *Cimex.*

villosus Thunbg. Diss. Ent. Nova Ins., ii, p. 35, 1783, *Cimex.*

†*pungens* (Stål), Enum. Hemip., ii, p. 119, 1872, *Opsicoetus.*

albosignatus Provancher, Nat. Can., iv, p. 105, 1872.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., Ga., Fla., Kan. (Palaearctic.)

734. **Reduvius senilis** Van D.

Van Duzee, Ent. News, xvii, p. 390, 1906.
Fracker, Proc. Ia. Acad. Sci., xix, p. 229, 1913.
Locality: Ariz.

Genus **Meccus** Stål
Logotype *phyllosoma* Burm.

Stål, Berl. Ent. Zeit., iii, p. 105, 1859.
Stål, Hemip. Fabr., i, p. 123, 1868.
Stål, Enum. Hemip., ii, pp. 108, 110, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 209, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 220, 1913.

735. **Meccus phyllosomus** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 246, 1835, *Conorhinus*.
Stål, Berl. Ent. Zeit., iii, p. 105, 1859.
Stål, Enum. Hemip., ii, p. 110, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 330, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 209, pl. 12, figs. 25, 26, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 232, 1913.
Localities: Calif. (Mexico.)

Genus **Triatoma** Lap.
Orthotype *gigas* Fabr. = *rubrofasciatus* (De Geer)

Laporte, Essai Classif. Syst. Hémip., p. 11, 1832.
†*Nabis* Leach, Brewster's Edinbg. Encyc., ix, p. , 1815 (for *gigas* Wolff).
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 711, 1832 (for [*gigas*).
Conorhinus Laporte, Essai Classif. Syst. Hémip., p. 77, 1832 (n.n. for
Burmeister, Handb. d. Ent., ii, p. 245, 1835. [*Triatoma* Lap.).
Brullé, Hist. Nat. des Ins., ix, p. 324, 1835.
Spinola, Essai sur les Hémip., p. 108, 1837 (1840).
Amyot and Serville, Hémip., p. 383, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 69, 1848.
Spinola, Tavola Sinot., p. 46, 1850.
Stål, Berl. Ent. Zeit., iii, p. 106, 1859.
Stål, Hemip. Afr., iii, p. 120, 1865.
Stål, Hemip. Fabr., i, p. 123, 1868.
Stål, Enum. Hemip., ii, pp. 108, 111, 1872.
Walker, Cat. Heter., vii, pp. 50, 81, 1873; viii, p. 12, 1873.
Stål, Enum. Hemip., iv, p. 64, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 206, 1899.
Distant, Fauna Br. Ind., Rhyn., ii, p. 285, 1904.

736. **Triatoma variegata** (Drury)

Drury, Illust. Exot. Ent., i, p. 109, pl. 45, fig. 5, 1770, *Cimex*.
Stål, Enum. Hemip., ii, p. 111, 1872, *Conorhinus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 331, 1876, *Conorhinus*.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 428, 1878, *Conorhinus*.

Snow, Trans. Kan. Acad. Sci., xx, pt. 2, 160, 1907, *Conorhinus.*
claviger (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2179, 1788, *lecticularius* Stål, Berl. Ent. Zeit., iii, p. 107, 1859, *Conorhinus.* [*Cimex.*
‡*lenticularius* Stål, Hemip. Fabr., i, p. 124, 1868, *Conorhinus.*
Localities: Md., N. C., S. C., Ga., Fla., La., Ill., Okl., Texas, Ariz., Calif.

737. **Triatoma maxima** (Uhler)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 286, 1894, *Conorhinus.*
? Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 160, 1907, *Conorhinus.*
Localities: Calif., Ariz.(?). (Mexico.)

738. **Triatoma sanguisuga** (Lec.)

Leconte, Proc. Acad. Nat. Sci. Phila., vii, p. 404, 1855, *Conorhinus.*
Stål, Enum. Hemip., ii, p. 111, 1872, *Conorhinus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 331, 1876, *Conorhinus.*
Marlatt, U. S. Dept. Agr., Div. Ent., Bul. iv, p. 38, 1896, *Conorhinus.*
Champion, Biol. Centr. Am., Heter., ii, p. 207, 1899, *Conorhinus.*
Bueno and Brimley, Ent. News, xviii, p. 436, 1907, *Conorhinus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909, *Conorhinus.*
Bueno and Englehardt, Can. Ent., xlii, p. 151, 1910, *Conorhinus.*
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910, *Conorhinus.*
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 134, 1911 (egg), *Conorhinus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 231, 1913, *Conorhinus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914, *Conorhinus.*
lateralis (Stål), Berl. Ent. Zeit., iii, p. 107, 1859, *Conorhinus.*
Stål, Hemip. Fabr., i, p. 124, 1868, *Conorhinus.*
Localities: N. J., Md., Va., N. C., Fla., Ill., Texas.

739. **Triatoma rubida** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 285, 1894, *Conorhinus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 231, 1913, *Conorhinus.*
Localities: Ariz. (Mexico.)

740. **Triatoma protracta** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894, *Conorhinus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 231, 1913, *Conorhinus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914, *Conorhinus.*
Localities: Calif. (Mexico.)

741. **Triatoma gerstaeckeri** (Stål)

Stål, Berl. Ent. Zeit., iii, p. 111, 1859, *Conorhinus.*
Stål, Hemip. Fabr., i, p. 124, 1868, *Conorhinus.*
Stål, Enum. Hemip., ii, p. 111, 1872, *Conorhinus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 331, 1876, *Conorhinus.*
Barber, Brookl. Inst., Sci. Bul., i, p. 284, 1906, *Conorhinus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 231, 1913, *Conorhinus.*
Locality: Texas.

742. **Triatoma rufofasciata** (De Geer)

De Geer, Mémoires, iii, p. 349, pl. 35, fig. 12, 1773, *Cimex.*
Goeze, Ent. Beytr., ii, p. 270, 1778, *Cimex.*
Retzius, Genera et Spec. Ins., p. 87, 1783, *Cimex.*

Amyot and Serville, Hémip., p. 384, 1843, *Conorhinus.*
Stål, Berl. Ent. Zeit., iii, p. 106, 1859, *Conorhinus.*
Stål, Hemip. Afr., iii, p. 142, 1865, *Conorhinus.*
Stål, Hemip. Fabr., i, p. 123, 1868, *Conorhinus.*
Stål, Enum. Hemip., ii, p. 111, 1872, *Conorhinus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 331, 1876, *Conorhinus.*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1330, *Conorhinus.*
Champion, Biol. Centr. Am., Heter., ii, p. 208, pl. 12, fig. 22, 1899, *Conorhinus.*
Kirkaldy, Hawai. Forester and Agricul., i, p. 185, 1904 (distribution).

gigas (Fabricius), Syst. Ent., p. 729, 1775, *Reduvius.*
Fabricius, Spec. Ins., ii, p. 371, 1781, *Reduvius.*
Fabricius, Mantissa Ins., ii, p. 309, 1787, *Reduvius.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2195, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 193, 1794, *Reduvius.*
Wolff, Icon. Cimic., iii, p. 119, fig. 113, 1802, *Reduvius.*
Fabricius, Syst. Rhyng., p. 267, 1803, *Reduvius.*
Laporte, Essai Classif. Syst. Hémip., p. 11, 1832.
Burmeister, Handb. d. Ent., ii, p. 246, 1835, *Conorhinus.*
Brullé, Hist. Nat. des Ins., ix, p. 324, 1835, *Conorhinus.*
Spinola, Essai sur les Hémip., p. 108, 1837 (1840), *Conorhinus.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 108, 1840, *Conorhinus.* [*hinus.*
Herrich-Schaeffer, Wanz. Ins., viii, p. 72, figs. 841, 842, 1848, *Conor-*

erythrozonias (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, 1788, [*Cimex.*

stalii Signoret, Ann. Soc. Ent. Fr., Ser. 3, viii, p. 967, 1861, *Conorhinus.*

Localities: Kan., Texas, Calif. (Neotropical, Africa, Asia.)

Genus **Spiniger** Burm.
Logotype *ater* Lep. & Serv.

Burmeister, Handb. d. Ent., ii, p. 234, 1835.
Hahn, Wanz. Ins., iii, p. 22, 1835.
Amyot and Serville, Hémip., p. 334, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 64, 1848.
Stål, Stet. Ent. Zeit., xx, p. 395, 1859.
Stål, Hemip. Afr., iii, p. 122, 1865.
Stål, Berl. Ent. Zeit., xiii, p. 231, 1869.
Stål, Enum. Hemip., ii, pp. 109, 113, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 202, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 221, 230, 1913.

¶*Zelurus* Hahn, Icon. Monog. Cimic., pl. 6, 1826 (for *ocellatus* Hahn = *See* Bergroth, Ent. Mitt., ii, p. 11, 1913. [*eburneus* L. & S.).

Acrocoris Hahn, Wanz. Ins., iii, pl. 80, 1835 (*Spiniger* on p. 22).
Stål, Enum. Hemip., ii, p. 114, 1872 (as subgenus).
Acidoparius Stål, Enum. Hemip., ii, p. 113, 1872 (as subgenus).
Micracidius Stål, Enum. Hemip., ii, p. 114, 1872 (as subgenus).
Opisthacidius Berg, Hemip. Argent., p. 172, 1879 (as subgenus).
Pantopsilus Berg, Hemip. Argent., p. 172, 1879 (as subgenus).

743. **Spiniger bicolor** Stål

Stål, Stet. Ent. Zeit., xx, p. 396, 1859.
Stål, Berl. Ent. Zeit., xiii, p. 234, 1869.
Stål, Enum. Hemip., ii, p. 117, 1872.

Banks, Cat. Nearc. Hemip., p. 18, 1910.
Localities: Texas(?), Ariz.(?) (Banks). (Brazil.)

744. **Spiniger arizonica** Banks

Banks, Ent. News, xxi, p. 324, 1910.
Locality: Ariz.

Subfamily PIRATINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xlii, 321, 1843, Groupe *Piratides.*
Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Peiratida.*
Dohrn, Cat. Hemip., p. 50, 1859, *Piratidae.*
Stål, Hemip. Afr., iii, pp. 44, 112, 1865, *Piratida.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 250, 1866, *Piratida.*
Stål, Hemip. Fabr., i, p. 120, 1868, *Piratida.*
Stål, Of. Vet. Akad. Forh., xxix, No. 6, pp. 43, 46, 1872, *Piratina.*
Stål, Enum. Hemip., ii, pp. 66, 104, 1872; iv, pp. 4, 56, 1874, *Piratina.*
Uhler, Check List, p. 25, 1886, *Piratina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 120, 1896, *Piratidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 211, 1899, *Piratinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 290, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 534, 1908, *Piratina.*
Banks, Cat. Nearc. Hemip., p. 18, 1910, *Piratini.*
Oshanin, Kat. Palae. Hemip., p. 51, 1912, *Piratinae.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 220, 1913, *Piratinae.*

Genus **Melanolestes** Stål
Logotype *picipes* H. S.

Stål, Of. Vet. Akad. Forh., xxiii, pp. 251, 259, 1866.
Stål, Enum. Hemip., ii, pp. 105, 107, 1872; iv, p. 60, 1874 (as subgen. of
Provancher, Pet. Faune Ent. Can., iii, p. 183, 1887. [*Pirates*).
Champion, Biol. Centr. Am., Heter., ii, p. 213, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 220, 1913.

745. **Melanolestes picipes** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 62, 1848, *Pirates.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 259, 1866.
Stål, Enum. Hemip., ii, p. 107, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 421, 1872.
Walker, Cat. Heter., vii, p. 97, 1873, *Pirates.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 330, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 424, 1878.
Uhler, Stand. Nat. Hist., ii, p. 281, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 183, 1887.
Lintner, 4th Rept. N. Y. St. Ent., p. 109, 1888.
Uhler, Proc. Cal. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Bueno and Brimley, Ent. News, xvii, p. 437, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 235, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 154, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 233, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
pungens Leconte, Proc. Acad. Nat. Sci. Phila., vii, p. 404, 1856, *Reduvius.*
Localities: Quebec, Me., Mass., N. Y., N. J., Pa., Del., Va., N. C., Ga., Ala., Fla., La., Ill., Texas, N. Mex., Okl., Calif.

746. **Melanolestes abdominalis** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 63, fig. 832, 1848, *Pirates.*
Stål, Enum. Hemip., ii, p. 107, 1872 (as var. of *picipes*).
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 421, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 330, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 424, 1878.
Uhler, Stand. Nat. Hist., ii, p. 281, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 183, 1887.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 214, 1899.
Barber, Brookl. Inst., Sci. Bul., i, p. 284, 1906.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 235, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 233, 1913.
Localities: N. Y., N. J., Pa., Md., N. C., Okl., Texas, N. Mex., Calif.

Genus **Rasahus** Am. & Serv.
Logotype *sulcicollis* Serv.

Amyot and Serville, Hémip., p. 325, 1843.
Stål, Enum. Hemip., ii, p. 105, 1872.
Walker, Cat. Heter., vii, p. 47, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 214, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 220, 1913.
Macrosandalus Stål, Of. Vet. Akad. Forh., xxiii, pp. 251, 259, 1866 (type Walker, Cat. Heter., vii, pp. 85, 98, 1873. [*albomaculatus* Goeze).
Sphodrocoris Stål, Of. Vet. Akad. Forh., xxiii, pp. 251, 261, 1866 (type Walker, Cat. Heter., vii, pp. 85, 98, 1873. [*maculipennis* Lep. & Serv.).

747. **Rasahus biguttatus** (Say)

Say, Ins. La., p. 13, 1832; Compl. Writ., i, p. 307, *Petalocheirus.*
Say, Heter. N. Harm., p. 33, 1832; Fitch reprint, p. 803; Compl. Writ., i, p. 358, *Petalocheirus.*
Stål, Stet. Ent. Zeit., xxiii, p. 457, 1862, *Pirates.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 258, 1866, *Callisphodrus.*
Stål, Enum. Hemip., ii, p. 106, 1872.
Walker, Cat. Heter., vii, p. 98, 1873, *Pirates.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 330, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 216, pl. 13, fig. 7, 1899.
Barber, Brookl. Inst., Sci., Bul., i, p. 284, 1906.
Bueno and Brimley, Ent. News, xviii, p. 437, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
†*mutillarius* (Guerin), *in* Sagra, Hist. de Cuba, Ins., p. 410, 1857, *Reduvius.*
Uhler in Say's Compl. Writ., i, p. 307, 1859.
Localities: N. C., Fla., La., Texas. (West Indies.)
[Has been confused with next. Uncertain localities omitted.]

748. **Rasahus thoracicus** Stål

Stål, Enum. Hemip., ii, p. 106, 1872.
Bueno, Ent. News, xxiv, p. 22, 1913.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Essig, Inj. Ben. Ins. Calif., edn. 2, p. 210, 1915.
Localities: Ariz., Calif. (Mexico.)

749. **Rasahus hamatus** (Fabr.)

Fabricius, Spec. Ins., ii, p. 381, 1781, *Reduvius.*
Fabricius, Mantissa Ins., ii, p. 312, 1787, *Reduvius.*
Fabricius, Ent. Syst., iv, p. 203, 1794, *Reduvius.*
Fabricius, Syst. Rhyng., p. 278, 1803, *Reduvius.*
Stål, Hemip. Fabr., i, p. 121, 1868, *Calliphodrus.*
Stål, Enum. Hemip., ii, p. 106, 1872.
Bergroth, Revue d'Ent., xi, p. 262, 1892. (Synon. note.)
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 209.
Champion, Biol. Centr. Am., Heter., ii, p. 217, pl. 13, fig. 8, 1899.
Barber, Brookl. Inst., Sci. Bul., i, p. 285, 1906. [*Cimex.*
uncinatus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2200, 1788,
——— Stoll, Abdl. u. Gesch. Wanz., p. 71, fig. 163, 1792 (*Reduvius in*
mutillarius (Fabricius), Syst. Rhyng., p. 280, 1803, *Reduvius.* [Register).
Herrich-Schaeffer, Wanz. Ins., viii, p. 61, fig. 829, 1848, *Pirates.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 258, 1866, *Callisphodrus.*
Walker, Cat. Heter., vii, p. 98, 1873, *Pirates.*
†*maculipennis* (Walker), Cat. Heter., vii, p. 101, 1873, *Pirates.*
concisus (Walker), Cat. Heter., vii, p. 101, 1873, *Pirates.*
Bergroth, Revue d'Ent., xi, p. 263, 1892, *Pirates.*
indecisus (Walker), Cat. Heter., vii, p. 104, 1873, *Pirates.*
contiguus (Walker), Cat. Heter., vii, p. 130, 1873, *Pirates.*
sipolisii (Fallou), Le Naturaliste for 1887, p. 68.
varipes (Fallou), Revue d'Ent., x, p. 10, 1891, *Lestomerus.*
Localities: Texas. (Neotropical.)

Genus **Sirthenea** Spin.
Haplotype *carinata* Fabr.

Spinola, Essai sur les Hémip., p. 100, 1837 (1840).
Spinola, Tavola Sinot., p. 45, 1850.
Stål, Hemip. Afr., iii, pp. 112, 113, 1865.
Stål, Of. Vet. Akad. Forh., xxiii, pp. 250, 252, 1866.
Stål, Enum. Hemip., ii, pp. 104, 105, 1872.
Walker, Cat. Heter., vii, p. 84, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 220, 1899.
Distant, Fauna Br. Ind., Rhyn., ii, p. 303, 1904.
Horvath, Ann. Mus. Natl. Hung., vii, p. 356, 1909 (monograph).
Fracker, Proc. Ia. Acad. Sci., xix, p. 220, 1913.

750. **Sirthenea carinata** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 545, 1798, *Reduvius.*
Coquebert, Illust. Icon. Ins., p. 42, pl. 10, fig. 15, 1799, *Reduvius.*
Fabricius, Syst. Rhyng., p. 278, 1803, *Reduvius.*
Le Peletier and Serville, Encyc Méth., x, p. 278, 1825, *Reduvius.*
Serville, Ann. Sci. Nat., xxiii, p. 221, 1831, *Pirates.*
Spinola, Essai sur les Hémip., p. 100, 1837 (1840).
Amyot and Serville, Hémip., p. 326, 1843, *Rasahus.*
Stål, Stet. Ent. Zeit., xxiii, p. 458, 1862, *Rasahus.*

Stål, Of. Vet. Akad. Forh., xxiii, p. 252, 1866.
Stål, Hemip. Fabr., i, p. 120, 1868.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 156, 1868, *Pirates.*
Stål, Enum. Hemip., ii, p. 105, 1872.
Walker, Cat. Hemip., vii, p. 97, 1873, *Pirates.*
Uhler, Proc. U. S. Geol. Geog. Surv., i, p. 329, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 220, 1899 (as syn. of *stria* Fabr.).
Bueno and Brimley, Ent. News, xviii, p. 437, 1907.
Horvath, Ann. Mus. Natl. Hung., vii, p. 361, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909.
†*stria* Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 233, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: N. J., N. C., S. C., Ga., Fla., La., Texas, Calif. (Mexico.)

Subfamily ECTRICHODIINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xliv, 342, 1843, Groupe *Ectichodides.*
Spinola, Tavola Sinot., pp. 44, 45, 1850, *Ectrichodioideae.*
Stål, Of. Vet. Akad. Forh., xvi, p. 175, 1859, *Ectrichodides.*
Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Ectrichodiida.*
Dohrn, Cat. Hemip., p. 49, 1859, *Ectrichodidae.*
Stål, Hemip. Afr., iii, pp. 44, 101, 1865, *Ectrichodiida.*
Stål, Enum. Hemip., ii, pp. 66, 101, 1872, *Ectrichodiina.*
Walker, Cat. Heter., vii, pp. 45, 47, 52, 79, 1873, *Ectrichodida.*
Stål, Enum. Hemip., iv, pp. 4, 45, 1874, *Ectrichodiina.*
Uhler, Check List., p. 25, 1886.
Champion, Biol. Centr. Am., Heter., ii, p. 221, 1899, *Ectrichodiinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 304, 1904, *Ectrichodiinae.*
Oshanin, Verz. Palae. Hemip., i, p. 540, 1908, *Ectrichodina.*
Banks, Cat. Nearc. Hemip., p. 17, 1910, *Ectrichodini.*
Oshanin, Kat. Palae. Hemip., p. 52, 1912, *Ectrichodiinae.*

Genus **Rhiginia** Stål

Haplotype *lateralis* Lep. & Serv.

Stål, Of. Vet. Akad. Forh., xvi, pp. 176, 181, 1859.
Stål, Hemip. Afr., iii, p. 102, 1865.
Walker, Cat. Heter., viii, p. 61, 1873 (as division 3 of *Ectrichodia*).
Kirkaldy, Entomol., xxxiii, p. 239, 1900.
Bergroth, Wien. Ent. Zeit., xxv, p. 5, 1906.
†*Ectrichodia* Stål, Enum. Hemip., ii, pp. 101, 102, 1872.
Walker, Cat. Heter., viii, p. 61, 1873.
Stål, Enum. Hemip., iv, p. 48, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 224, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 221, 234, 1913.

751. **Rhiginia cruciata** (Say)

Say, Heter. N. Harm., p. 33, 1832; Fitch reprint, p. 802; Compl. Writ., i, p. [358, *Petalocheirus.*
Stål, Enum. Hemip., ii, p. 103, 1872, *Ectrichodia.*
Walker, Cat. Heter., viii, p. 56, 1873, *Ectrichodia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 329, 1876, *Ectrichodia.*

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 425, 1878, *Ectrichodia.*
Champion, Biol. Centr. Am., Heter., ii, p. 226, 1899, *Ectrichodia.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, x, p. 294, 1902, *Ectrichodia.*
Bueno and Brimley, Ent. News, xviii, p. 437, 1907, *Ectrichodia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909, *Ectrichodia.*
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910, *Ectrichodia.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 234, 1913, *Ectrichodia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914, *Ectrichodia.*
bicolor (Herrich–Schaeffer), Wanz. Ins., viii, p. 53, fig. 822, 1848,
media (Walker), Cat. Heter., viii, p. 62, 1873, *Ectrichodia.* [*Ectrychotes.*
Localities: N. J., Pa., Md., Ga., Fla., Ind., La., Texas, N. Mex.

752. **Rhiginia cinctiventris** Stål

Stål, Enum. Hemip., ii, p. 103, 1872, *Ectrichodia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 329, 1876, *Ectrichodia.*
Champion, Biol. Centr. Am., Heter., ii, p. 225, pl. 13, fig. 20, 1899, *Ectrichodia.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 234, 1913, *Ectrichodia.*
Localities: Texas, N. Mex. (Mexico.)

Genus **Pothea** Am. & Serv.
Logotype *ventralis* Lep. & Serv.

Amyot and Serville, Hémip., p. 344, 1843.
Spinola, Tavola Sinot., p. 45, 1850.
Stål, Of. Vet. Akad. Forh., xvi, pp. 176, 184, 1859.
Stål, Hemip. Afr., iii, p. 102, 1865.
Stål, Enum. Hemip., ii, pp. 101, 103, 1872; iv, p. 48, 1874.
Champion, Biol. Centr. Am., Heter., ii, p. 221, 1899.

753. **Pothea(?) aeneo-nitens** Stål

Stål, Ann. Soc. Ent. Fr., Ser. 4, iv, p. 59, 1864.
Stål, Enum. Hemip., ii, p. 104, 1872.
Fracker, Proc. Ia. Acad. Sci., xix, p. 234, 1913.
Localities: "Am. Borealis" (probably in error).

Subfamily HAMMACERINAE (Stål)

Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Hammacerida.*
Stål, Stet. Ent. Zeit., xxiii, p. 455, 1862, *Hammatoceridae.*
Stål, Enum. Hemip., ii, pp. 66, 100, 1872; iv, p. 4, 1874, *Hammatocerina.*
Champion, Biol. Centr. Am., Heter., ii, p. 226, 1899, *Hammatocerinae.*
Banks, Cat. Nearc. Hemip., p. 17, 1910, *Hammatocerini.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 221, 1913, *Hammatocerinae.*

Genus **Hammacerus** Lap.
Orthotype *conspicillaris* Drury

Laporte, Essai Classif. Syst. Hémip., p. 79, 1832.
Spinola, Essai sur les Hémip., p. 81, 1837 (1840).
Spinola, Tavola Sinot., p. 45, 1850.
‡*Hammatocerus* Burmeister, Handb. d. Ent., ii, p. 235, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 105, 1840.
Amyot and Serville, Hémip., p. 345, 1843.
Herrich–Schaeffer, Wanz. Ins., viii, p. 49, 1848.
Stål, Hemip. Afr., iii, p. 102, 1865.

Stål, Enum. Hemip., ii, p. 100, 1872.
Walker, Cat. Heter., vii, pp. 47, 80, 1873.
Fracker, Proc. Ia. Acad. Sci., xix, p. 221, 1913.

754. **Hammacerus purcis** (Drury)

Drury, Illust. Exot. Ent., iii, p. 63, pl. 45, fig. 4, 1782, *Cimex.* [358, *Nabis.*
Say, Heter. N. Harm., p. 33, 1832; Fitch reprint, p. 803; Compl. Writ., i, p.
Laporte, Essai Classif. Syst. Hémip., p. 79, 1832 (spelled *furcis*).
Blanchard, Hist. Nat. de Ins. Hémip., p. 105, 1840 (*furcis*).
Amyot and Serville, Hémip., p. 346, 1843 (*furcis*).
Emmons, Nat. Hist. N. Y., Agr. v, p. 168, pl. 30, fig. 6, 1854.
Stål, Enum. Hemip., ii, p. 100, 1872.
Walker, Cat. Heter., viii, p. 65, 1873, *Hammatocerus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 329, 1876, *Hammatocerus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 426, 1878 (*Hammatocerus furcis*).
Bueno and Brimley, Ent. News, xvii, p. 437, 1907, *Hammatocerus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 234, 1913, *Hammatocerus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914, *Hammatocerus.*
nychthemerus Burmeister, Handb. d'Ent., ii, p. 236, 1835, *Hammatocerus.*
Herrich-Schaeffer, Wanz. Ins., vi, p. 104, fig. 675, 1842, *Hammatocerus.*
Localities: Va., N. C., S. C., Ga., Fla., Ala., Okl., Texas.

755. **Hammacerus luctuosus** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 237, 1854, *Hammatocerus.*
Stål, Stet. Ent. Zeit., xxiii, p. 455, 1862, *Hammatocerus.*
Stål, Enum. Hemip., ii, p. 100, 1872, *Hammatocerus.*
Champion, Biol. Centr. Am., Heter., ii, p. 227, pl. 13, fig. 24, 1899, *Hammato-*
Barber, Brookl. Inst., Sci. Bul., i, p. 285, 1906, *Hammatocerus.* [*cerus.*
Fracker, Proc. Ia. Acad. Sci., xix, p, 234, 1913, *Hammatocerus.*
Localities: Texas. (Neotropical.)

Genus **Homalocoris** Perty
Type *varius* Perty?

Perty, Delec. Anim. Artic., p. 216, 1834.
Stål, Hemip. Afr., iii, p. 102, 1865.
Stål, Enum. Hemip., ii, p. 100, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 227, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 221, 234, 1913.
‖*Platycoris* Perty, Delec. Anim. Artic., p. 175, 1834 (not of Guerin).

756. **Homalocoris minutus** (Mayr)

Mayr, Ver. Zool.-Bot. Ges. Wien, xv, p. 439, 1866, *Hammatocerus.*
Stål, Enum. Hemip., ii, p. 101, 1872.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 170, 1906; pt. 2, p. 160, 1907.
Locality: Ariz.

757. **Homalocoris maculicollis** Stål

Stål, Enum. Hemip., ii, p. 101, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 228, pl. 13, fig. 22, 1899.
Banks, Cat. Nearc. Hemip., p. 17, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 235, 1913.
Localities: Ariz.(?). (Neotropical.)

758. **Homalocoris guttatus** (Walk.)

Walker, Cat. Heter., vii, p. 181, 1873, *Reduvius.*
Champion, Biol. Centr. Am., Heter., ii, p. 229, pl. 13, fig. 26, 1899.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910.
Localities: Ariz. (Mexico.)

Subfamily APIOMERINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xliv, 350, 1843, Groupe *Apiomerides.*
Stål, Berl. Ent. Zeit., iii, p. 328, 1859, *Apiomerida.*
Dohrn, Cat. Hemip., p. 50, 1859, *Apiomeridae.*
Stål, Hemip. Afr., iii, p. 44, 1865, *Apiomerida.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 247, 1866, *Apiomerida.*
Stål, Enum. Hemip., ii, pp. 66, 92, 1872, *Apiomerina.*
Walker, Cat. Heter., vii, pp. 45, 48, 70, 1873; viii, p. 66, 1873, *Apiomeridae.*
Stål, Enum. Hemip., iv, pp. 3, 44, 1874, *Apiomerina.*
Uhler, Check List, p. 24, 1886, *Apiomerina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 144, 1896, *Apiomeridae.*
Champion, Biol. Centr. Am., Heter., ii, p. 229, 1899.
Distant, Fauna Br. Ind., Rhyn., ii, p. 326, 1904.
Banks, Cat. Nearc. Hemip., p. 16, 1910, *Apiomerini.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 222, 1913.
Ectinoderida Stål, Berl. Ent. Zeit., iii, p. 328, 1859.
Stål, Hemip. Afr., iii, pp. 44, 99, 1865.

Genus **Apiomerus** Lap.
Orthotype *hirtipes* Fabr.

Hahn, Wanz. Ins., i, p. 29, 1831 (invalid here).
Laporte, Essai Classif. Syst. Hémip., p. 82, 1832.
Burmeister, Handb. d. Ent., ii, p. 230, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 318, 1835.
Spinola, Essai sur les Hémip., p. 108, 1837 (1840).
Blanchard, Hist. Nat. des. Ins., Hémip., p. 102, 1840.
Amyot and Serville, Hémip., p. 351, 1843.
Spinola, Tavola Sinot., p. 46, 1850.
Stål, Of. Vet. Akad. Forh., xxiii, pp. 247, 249, 1866.
Stål, Hemip. Fabr., i, p. 116, 1868.
Stål, Enum. Hemip., ii, pp. 94, 95, 1872.
Walker, Cat. Heter., vii, pp. 48, 72, 1873; viii, p. 66, 1873.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330 (*Apiomerina* by error).
Champion, Biol. Centr. Am., Heter., ii, p. 230, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 235, 1913.

Subgenus **Apiomerus** Lap.

Stål, Enum. Hemip., ii, p. 96, 1872.

759. **Apiomerus subpiceus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 454, 1862.
Stål, Enum. Hemip., ii, p. 97, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 237, pl. 14, fig. 12, 1889.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906; pt. 2, p. 160, 1907.
Banks, Cat. Nearc. Hemip., p. 16, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 235, 1913.
Localities: Ariz. (Neotropical.)

760. **Apiomerus moestus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 455, 1862.
Stål, Enum. Hemip., ii, p. 97, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 239, pl. 14, figs. 19, 20, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Localities: Ariz. (Mexico.)

761. **Apiomerus longispinis** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 239, pl. 14, fig. 18, 1899.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 160, 1907.
Barber, Jl. N. Y. Ent. Soc., xviii, p. 38, 1910, *longispinus*.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Localities: Ariz. (Mexico.)

762. **Apiomerus immundus** Bergr.

Bergroth, Bul. Soc. Ent. Fr. for 1898, p. 307.
Champion, Biol. Centr. Am., Heter., ii, p. 238, pl. 14, fig. 17, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Localities: Calif. (Mexico.)

763. **Apiomerus repletus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 329, 1876.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Locality: Calif.

Subgenus **Herega** Am. & Serv.

Haplotype *rubrolimbata* Am. & Serv. = *crassipes* Fabr.

Amyot and Serville, Hémip., p. 354, 1843.
Stål, Enum. Hemip., ii, p. 98, 1872.

764. **Apiomerus crassipes** (Fabr.)

Fabricius, Syst. Rhyng., p. 273, 1803, *Reduvius*.
Say, Am. Ent., ii, pl. 31, 1825; Compl. Writ., i, p. 72, pl. 31, fig. 4, *Reduvius*.
Stål, Hemip. Fabr., i, p. 117, 1868.
Stål, Enum. Hemip., ii, p. 98, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876.
Uhler, Stand. Nat. Hist., ii, p. 281, 1884.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 242, 1899.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 135, 1911 (egg).
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
linitaris (Say), Heter. N. Harm., p. 31, 1832; Fitch reprint, p. 800; Compl. [Writ., i, p. 355, *Reduvius*.
rubrolimbata Amyot and Serville, Hémip., p. 354, 1843, *Herega*.
Localities: N. J., N. C., Fla., Ind., Neb., Kan., Colo., Utah, La., Texas, Ariz., Calif., Vanc. Isd.

765. **Apiomerus spissipes** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 328, 1825; Compl. Writ., ii, p. 250, [*Reduvius*.

Say, Am. Ent., ii, pl. 31, 1825; Compl. Writ., i, p. 72, pl. 31, fig. 3, *Reduvius.*
Stål, Enum. Hemip., ii, p. 98, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 420, 1872, *Herega.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876; iii, p. 429, 1877.
Champion, Biol. Centr. Am., Heter., ii, p. 241, pl. 14, fig. 25, 1899.
Barber, Brookl. Inst. Sci. Bul., i, p. 285, 1906.
Morrill, U. S. Dept. Agr., Bur. Ent., Bul. 63, pt. 4, p. 49, 1907.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Localities: Colo., Ariz., Texas. (Mexico.)

766. **Apiomerus flaviventris** H. S.

Herrich-Schaeffer, Wanz. Ins., viii, p. 77, fig. 847, 1853.
Stål, Enum. Hemip., ii, p. 98, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876; iii, p. 429, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: Fla., Colo., N. Mex., Texas, Ariz., Calif. (Mexico.)

767. **Apiomerus pictipes** H. S.

Herrich-Schaeffer, Wanz. Ins., viii, p. 75, fig. 843, 1853.
Stål, Enum. Hemip., ii, p. 98, 1872.
Gillette and Baker, Hemip. Colo., p. 60, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 243, pl. 14, figs. 28, 29, 30, 31, 1899.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904.
Fracker, Proc. Ia. Acad. Sci., xix, p. 236, 1913.
Localities: Colo., N. Mex. (Neotropical.)

Subfamily HARPACTORINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xlv, 355, 1843, Groupe *Harpactorides.*
Spinola, Tavola Sinot., p. 45, 1850, *Harpactoroideae.*
Dohrn, Cat. Hemip., p. 44, 1859, *Harpactorina.*
Walker, Cat. Heter., viii, p. 75, 1873, *Harpactoridae.*
Puton, Cat. Hémip. Palae., p. 39, 1886, Div. *Harpactoraria.*
Reuter, Revue d'Ent., vi, p. 149, 1887, *Harpactorina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 150, 1896, *Harpactoridae.*
Champion, Biol. Centr. Am., Heter., ii, p. 244, 1899, *Harpactorinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 329, 1904, *Harpactorinae.*
Oshanin, Verz. Palae. Hemip., i, p. 544, 1908, *Harpactorina.*
Oshanin, Kat. Palae. Hemip., p. 52, 1912, *Harpactorinae.*
†*Reduvides* Stål, Of. Vet. Akad. Forh., xvi, p. 195, 1859.
Stål, Hemip. Afr., iii, pp. 43, 46, 1865, *Reduviida.* [tables).
Stål, Of. Vet. Akad. Forh., xxiii, pp. 263, 283, 292, 1866 (synoptic
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 60, 1872, *Reduviina.*
Stål, Enum. Hemip., ii, pp. 66, 67, 1872, *Reduviina.*
Walker, Cat. Heter., vii, pp. 51, 52, 53, 1873.
Stål, Enum. Hemip., iv, pp. 3, 6, 1874, *Reduviina.*
Uhler, Check List, p. 23, 1886, *Reduviina.*

TRIBE *ZELINI* (Am. & Serv.)

Amyot and Serville, Hémip., pp. xlvi, 367, 1843, *Zelides.*
Stål, Of. Vet. Akad. Forh., xvi, pp. 196, 366, 1859 (without name, gives key).

Banks, Cat. Nearc. Hemip., p. 15, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 237, 1913, *Zelinae*.
†*Reduviida* Stål, Berl. Ent. Zeit., iii, p. 328, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 446, 1862. [key to genera).
Stål, Of. Vet. Akad. Forh., xxiii, p. 292, 1866 (without name, with *Harpactoraria* Distant, Fauna Br. Ind., Rhyn., ii, p. 331, 1904.

Genus **Zelus** Fabr.
Orthotype *longipes* Linn.

Fabricius, Syst. Rhyng., p. 281, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 260, 1804 (for *longipes* Linn.).
Latreille, Genera Crust. Ins., iii, p. 129, 1807.
Latreille, Consid. Génl., p. 433, 1810 (names *longipes* type).
Leach, Brewster's Edinbg. Encyc., ix, p. , 1815.
Le Peletier and Serville, Encyc. Méth., p. 815, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 9, 1832 (names *festinans* Fabr. pseudo-
Brullé, Hist. Nat. des Ins., ix, p. 316, 1835. [type).
Burmeister, Handb. d. Ent., ii, p. 225, 1835 (incorrect as to species).
Blanchard, Hist. Nat. des Ins., Hémip., p. 100, 1840.
Stål, Stet. Ent. Zeit., xxii, p. 148, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 449, 1862.
Stål, Hemip. Fabr., i, p. 107, 1868.
Stål, Enum. Hemip., ii, p. 88, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 251, 1898.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 223, 238, 1913.
†*Euagoras* Herrich-Schaeffer, Wanz. Ins., viii, p. 43, 1853.
[Stål, 1866, restricts *Euagorus* Burm. to *stolli* and allies.]
‡*Evagoras* Amyot and Serville, Hémip., p. 368, 1843.
[See Hemip. Afr., iii, p. 51, 1865.]
Provancher, Pet. Faune Ent. Can., iii, p. 182, 1887.
†*Arilus* Spinola, Tavola Sinot., p. 48, 1850 (part).

Subgenus **Zelus** Fabr.

Stål, Stet. Ent. Zeit., xxiii, p. 449, 1862.
Stål, Of. Vet. Akad. Forh., xxiii, p. 296, 1866 (as genus).
Stål, Enum. Hemip., ii, p. 88, 1872.

768. **Zelus bilobus** Say

Say, Ins. La., p. 12, 1832; Compl. Writ., i, p. 306.
Stål, Stet. Ent. Zeit., xxiii, p. 449, 1862 (as var. of *longipes* Linn.).
Stål, Enum. Hemip., ii, p. 88, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 176, 1909.
Bueno and Englehardt, Can. Ent., xlii, p. 150, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 239, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 505, 1914.
Localities: N. C., S. C., Ga., Fla., La., Texas.

769. **Zelus pictipes** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 255, pl. 15, fig. 14, 1899.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Localities: Ariz. (Mexico, Guatamala.)

770. **Zelus cervicalis** Stål

Stål, Enum. Hemip., ii, p. 90, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 255, 1899.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Bueno and Engelhardt, Can. Ent., xlii, p. 150, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 239, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
marginata (Provancher), Pet. Faune Ent. Can., iii, p. 182, 1887, *Evagoras*.
Fracker, Proc. Ia. Acad. Sci., xix, p. 240, 1913.
Localities: Ont. (accidental?), Va., N. C., S. C., Fla., La., Texas, Ariz., Calif. (Mexico.)

Subgenus **Diplocodus** Kirk.

Logotype *armillatus* Lep. & Serv.

Kirkaldy, Entomologist, xxxiii, p. 242, 1900 (n.n. for *Diplodus* Am. & Serv.).
‖*Diplodus* Amyot and Serville, Hémip., p. 370, 1843 (as distinct genus).
Stål, Stet. Ent. Zeit., xxiii, p. 450, 1862.
Stål, Of. Vet. Akad. Forh., xxiii, p. 296, 1866 (as distinct genus).
Stål, Enum. Hemip., ii, p. 90, 1872.
Walker, Cat. Heter., vii, p. 66, 1873; viii, p. 123, 1873.
Fracker, Proc. Ia. Acad. Sci., xix, p. 239, 1913.
§*Diploda* Walker, Cat. Heter., vii, p. 49, 1873 (error for *Diplodus*).
†*Darbanus* Provancher, Pet. Faune Ent. Can., iii, p. 181, 1887.
Fracker, Proc. Ia. Acad. Sci., xix, p. 241, 1913.

771. **Zelus exsanguis** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 452, 1862, *Diplodus*.
Stål, Enum. Hemip., ii, p. 91, 1872, *Diplodus*.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 283, 1894, *Diplodus*.
Champion, Biol. Centr. Am., Heter., ii, p. 259, pl. 15, fig. 23, 1899, *Zelus*
Barber, Brookl. Inst., Sci. Bul., i, p. 285, 1906. [(excl. synon.).
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Parshley, Psyche, xxi, p. 144, 1914.
Reduvius sp., Emmons, Nat. Hist. N. Y., Agr., v, p. 168, pl. 7, fig. 3, 1854.
luridus Stål, Stet. Ent. Zeit., xxiii, p. 452, 1862, *Diplodus*.
Stål, Enum. Hemip., ii, p. 91, 1872, *Diplodus*.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 420, 1872, *Diplodus*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876; iii, p. 429, 1877,
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 427, 1878, *Diplodus*. [*Diplodus*.
Provancher, Pet. Faune Ent. Can., iii, p. 181, 1887, *Diplodus*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Diplodus*.
Gillette and Baker, Hemip. Colo., p. 60, 1895, *Diplodus*.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904, *Zelus*.
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910, *Zelus*.
Bueno and Engelhardt, Can. Ent., xlii, p. 150, 1910, *Zelus*.
Van Duzee, Can. Ent., xliv, p. 324, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
georgiae (Provancher), Nat. Can., iv, p. 106, 1872, *Darbanus*.
Provancher, Pet. Faune Ent. Can., iii, p. 181, 1887, *Darbanus*.
palliatus (Provancher), Pet. Faune Ent. Can., iii, p. 182, 1887, *Darbanus*.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., N. C., S. C., Fla., Colo., Texas, Ariz., Calif.

772. **Zelus laevicollis** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 260, pl. 15, fig. 24, 1899, *Zelus.*
Banks, Cat. Nearc. Heter., p. 16, 1910, *Zelus.*
Localities: Texas. (Mexico.)

773. **Zelus renardii** Kolen.

Kolenati, Melet. Ent., vi, p. 42, pl. 3, fig. 2, 1857, *Zelus.*
Stål, Enum. Hemip., ii, p. 91, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876, *Diplodus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 283, 1894, *Diplodus.*
?peregrinus Kirkaldy, Fauna Hawaii, iii, p. 149, 1902, *Zelus.*
Kirkaldy, Can. Ent., xxxxix, p. 247, 1907, *Zelus.* [*Diplocodus.*
†*exsanguis* Van Duzee, Trans. San. Diego Soc. Nat. Hist., ii, p. 13, 1914,
Localities: Calif. (Mexico, Hawai. Isds.?)

Subgenus **Pindus** Stål
Haplotype *tetracanthus* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 454, 1862.
Stål, Of. Vet. Akad. Forh., xxiii, p. 296, 1866 (as distinct genus).
Stål, Enum. Hemip., ii, p. 92, 1872.
Walker, Cat. Heter., vii, p. 66, 1873.
Fracker, Proc. Ia. Acad. Sci., xix, p. 240, 1913.

774. **Zelus socius** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 420, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1329.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 284, 1894.
Gillette and Baker, Hemip. Colo., p. 60, 1895, *Diplodus.*
Barber, Brookl. Inst., Sci. Bul., i, p. 286, 1906, *Zelus.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 235, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Fracker, Proc. Ia. Acad. Sci., xix, p. 240, 1913, *Zelus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Localities: Fla., Ill., Kan. Dak., Colo., Utah, N. Mex., Ariz., Calif., Idaho.

775. **Zelus audax** Banks

Banks, Ent. News, xxi, p. 325, 1910, *Zelus.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 240, 1913.
Localities: Ont., Me., N. Y., Va.

776. **Zelus occiduus** Bueno

Bueno, Ent. News, xxiv, p. 22, 1913.
Localities: Calif.

Genus **Rhynocoris** Hahn
Logotype *cruentus* Fabr. = *iracundus* Poda

Hahn, Wanz. Ins., ii, p. 20, 1834.
Kolenati, Melet. Ent., vi, p. 42, 1857, *Rhinocoris.*
Stål, Of. Vet. Akad. Forh., xxiii, p. 284, 1866, *Rhinocoris.*

Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 46, 1872 (as subgenus).
Stål, Enum. Hemip., iv, p. 40, 1874 (as subgenus).
Kirkaldy, Entomologist, xxxiii, p. 242, 1900.
Reuter, Of. Finska, Vet. Soc. Forh., liv, Afd. A, No. 7, p. 20, 1912.
Oshanin, Kat. Palae. Hemip., p. 53, 1912, *Rhinocoris*.

†*Harpactor* Burmeister, Handb. d. Ent., ii, p. 229, 1835 (part).
Spinola, Essai sur les Hémip., p. 117, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hemip., p. 102, 1840 (as subgen.).
Amyot and Serville, Hémip., p. 364, 1843.
Dohrn, Cat. Hemip., p. 45, 1859.
Flor, Rhyn. Livl., i, p. 681, 1860.
Fieber, Europ. Hemip., pp. 42, 152, 1861.
Walker, Cat. Heter., viii, p. 94, 1873.
Puton, Synop. Hemip. Fr., i, p. 176, 1879.
Puton, Cat. Hémip. Palae., edn. 3, p. 39, 1886. [pseudotype).
Reuter, Rev. Synon., p. 350, No. 318, 1888 (names *annulatus* Linn.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 157, 1896.
Bergroth, Ent. News., viii, p. 96, 1897.
Distant, Fauna Br. Ind., Rhyn., ii, p. 332, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 546, 1908.
Banks, Cat. Nearc. Hemip., p. 17, 1912.

†*Reduvius* Stål, Hemip. Afr., iii, pp. 54, 75, 1865.
Stål, Of. Vet. Akad. Forh., xxiii, pp. 283, 284, 1866.
Stål, Hemip. Fabr., i, p. 110, 1868.
Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 45, 1872.
Stål, Enum. Hemip., iv, p. 37, 1874.

Oncauchenius Stål, Of. Vet. Akad. Forh., xxix, No. 6, p. 46, 1872 (as sub-
Stål, Enum. Hemip., iv, p. 39, 1874 (as subgenus). [genus).
Hypertolmus Stål, Enum. Hemip., iv, p. 37, 1874 (subgen., type *nitidulus*
Diphymus Stål, Enum. Hemip., iv, p. 37, 1874 (as subgenus).
Chirillus Stål, Enum. Hemip., iv, p. 38, 1874 (as subgenus).
Lamphrius Stål, Enum. Hemip., iv, p. 39, 1874 (as subgenus).
Harpiscus Stål, Enum. Hemip., iv, p. 39, 1874 (as subgenus).
Taeniorphus Stål, Enum. Hemip., iv, p. 40, 1874 (as subgenus).
Charontus Stål, Enum. Hemip., iv, p. 41, 1874 (as subgenus).
Coranideus Reuter, Acta Soc. Sci. Fenn., xii, p. , 1881 (reprint, p. 28).

[Subgenera *Zostus* Stål, *Dinocleptes* Stål, *Agrioclopius* Stål, and *Aprepolestes* Stål, Enum. Hemip., iv, pp. 37–41, are not found in America.]

777. **Rhynocoris ventralis** (Say)

Say, Heter. N. Harm., p. 31, 1832; Fitch reprint, p. 800; Compl. Writ., i, p.
Stål, Enum. Hemip., ii, p. 128, 1872. (Genus?) [355, *Reduvius*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876, *Apiomerus*.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 508, 1877, *Apiomerus*.
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Apiomerus*.
Gillette and Baker, Hemip. Colo., p. 60, 1895, *Apiomerus*.
Parshley, Psyche, xxi, p. 144, 1914, *Apiomerus*.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Parshley, Ent. News, xxxvii, p. 105, 1916, *Apiomerus*.

Localities: Me., Mass., Mo., Neb., N. D., Sask., Colo., Utah, Calif.

a. var. **americanus** Bergr.
Bergroth, Ent. News, viii, p. 96, 1897, *Harpactor.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Locality: Calif.

b. var. **annulipes** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Locality: Calif.

c. var. **femoralis** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Locality: Calif.

778. **Rhynocoris leucospilus** (Stål)
Stål, Of. Vet. Akad. Forh., xvi, p. 203, 1859, *Reduvius.*
Stål, Enum. Hemip., iv, p. 43, 1874. (Genus?)
Reuter, Acta Soc. Sci. Fenn., xii, p. , 1881 (separata, p. 27), *Reduvius.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 160, 1876, *Harpactor.*
Bergroth, Ent. News, viii, p. 96, 1897.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908, *Harpactor.*
dybowskyi (Jakowlef), Bul. Soc. Imp. Nat. Mosc., iii, p. 123, 1876,
fieberi Nowicki, Nowe Owady, p. 1 (unknown to Oshanin). [*Harpactor.*
Localities: Sitka. (Palaearctic.)

Genus **Pselliopus** Bergr.
Haplotype *ornaticeps* Stål
Bergroth, Revue d'Ent., xxiv, p. 112, 1905 (n.n. for *Milyas* Stål).
Fracker, Proc. Ia. Acad. Sci., xix, pp. 223, 237, 1913.
‖*Milyas* Stål, Rio Jan. Hemip., ii, p. 61, 1862.
Stål, Of. Vet. Akad. Forh., xxiii, p. 295, 1866.
Stål, Enum. Hemip., ii, p. 86, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 244, 1899.

779. **Pselliopus cinctus** (Fabr.)
Fabricius, Genera Ins., p. 302, 1776, *Reduvius.*
Fabricius, Spec. Ins., ii, p. 379, 1778, *Reduvius.*
Fabricius, Mantissa Ins., ii, p. 310, 1787, *Reduvius.*
Fabricius, Ent. Syst., iv, p. 199, 1794, *Reduvius.*
Fabricius, Syst. Rhyng., p. 272, 1803, *Reduvius.*
Herrich-Schaeffer, Wanz. Ins., viii, p. 83, fig. 853, 1848, *Harpactor.*
Stål, Stet. Ent. Zeit., xxiii, p. 448, 1862, *Milyas.*
Stål, Hemip. Fabr., i, p. 106, 1868, *Milyas.*
Stål, Enum. Hemip., ii, p. 87, 1872, *Milyas.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 420, 1872, *Milyas.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876, *Milyas.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 427, 1878, *Milyas.*
Uhler, Stand. Nat. Hist., ii, p. 282, 1884, *Milyas.*
Gillette and Baker, Hemip. Colo., p. 59, 1895, *Milyas.*
Bueno and Brimley, Ent. News, xviii, p. 437, 1907, *Milyas.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 237, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914. [1788, *Cimex.*
praecinctus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2198,
Localities: Mass., Conn., N. Y., N. J., Pa., Va., N. C., Ga., Fla.,
Ohio, Ill., Colo., Wyom., Okl., Texas.

780. **Pselliopus barberi** Davis

Davis, Psyche, xix, p. 21, 1912.
Localities: Md., Va., Ohio, Mo., Kan., Texas.

781. **Pselliopus zebra** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 448, 1862, *Milyas.*
Stål, Enum. Hemip., ii, p. 87, 1872, *Milyas.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 328, 1876, *Milyas.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 283, 1894, *Milyas.*
Champion, Biol. Centr. Am., Heter., ii, p. 247, pl. 15, figs. 5, 6, 1899, *Milyas.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 237, 1913.
Localities: Ariz., Calif. (Mexico.)

782. **Pselliopus spinicollis** (Champ.)

Champion, Biol. Centr. Am., Heter., ii, p. 245, pl. 15, fig. 2, 1899, *Milyas.*
Barber, Jl. N. Y. Ent. Soc., xviii, p. 39, 1910, *Milyas.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 237, 1913.
Localities: Idaho, Ariz., Calif. (Mexico.)

783. **Pselliopus inermis** (Champ.)

Champion, Biol. Centr. Am., Heter., ii, p. 246, pl. 15, fig. 4, 1899, *Milyas.*
Barber, Jl. N. Y. Ent. Soc., xviii, p. 39, 1910, *Milyas.*
Fracker, Proc. Ia. Acad. Sci., xix, p. 237, 1913.
Localities: Ariz. (Mexico.)

Genus **Castolus** Stål
Haplotype *plagiaticollis* Stål

Stål, Of. Vet. Akad. Forh., xv, p. 447, 1858; xxiii, p. 294, 1866.
Stål, Enum. Hemip., ii, p. 80, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 278, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 243, 1913.

784. **Castolus subinermis** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 447, 1862, *Repipta.*
Stål, Enum. Hemip., ii, p. 80, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 280, pl. 17, fig. 6, 1899.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Localities: Ariz. (Mexico.)

785. **Castolus ferox** (Banks)

Banks, Ent. News, xxi, p. 325, 1910, *Zelus.*
Bergroth, Ent. News, xxiv, p. 265, 1913.
Fracker, Proc. Ia. Acad. Sci., xix, p. 243, 1913.
Locality: Ariz.

Genus **Repipta** Stål
Logotype *lineatus* Am. & Serv. = *taurus* Fabr.

Stål, Of. Vet. Akad. Forh., xvi, pp. 366, 369, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 446, 1862.
Stål, Of. Vet. Akad. Forh., xxiii, p. 293, 1866.
Stål, Enum. Hemip., ii, pp. 69, 80, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 267, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 241, 1913. [*cornis* Stål.)
Spinda Stål, Of. Vet. Akad. Forh., xvi, p. 371, 1859. (Haplotype *spissi-*

786. **Repipta taurus** (Fabr.)

Fabricius, Syst. Rhyng., p. 291, 1803, *Zelus*.
Stål, Stet. Ent. Zeit., xxiii, p. 446, 1862.
Stål, Enum. Hemip., ii, p. 80, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Gillette and Baker, Hemip. Colo., p. 59, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 269, pl. 16, fig. 13, 1899.
Barber, Brookl. Inst., Sci. Bul., i, p. 286, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Fracker, Proc. Ia. Acad. Sci., xix, p. 242, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
lineatus (Amyot and Serville), Hémip., p. 373, 1843, *Zelus*.
Stål, Of. Vet. Akad. Forh., xvi, p. 369, 1859.
Localities: Pa., "Carolina," Fla., Colo., Texas. (Mexico.)

787. **Repipta mucosa** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 271, pl. 16, fig. 17, 1899.
Localities: Texas. (Central America.)

788. **Repipta flavicans** (A. & S.)

Amyot and Serville, Hémip., p. 374, 1843, *Zelus*.
Stål, Of. Vet. Akad. Forh., xvi, p. 369, 1859.
Stål, Stet. Ent. Zeit., xxiii, p. 447, 1862, *Zelus*.
Stål, Enum. Hemip., ii, p. 80, 1872.
Walker, Cat. Heter., viii, p. 132, 1873, *Zelus*.
Berg, Hemip. Argent., p. 147, 1879.
Champion, Biol. Centr. Am., Heter., ii, p. 269, pl. 16, fig. 14, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 242, 1913.
lateralis (Herrich–Schaeffer), Wanz. Ins., ix, p. 120, 1853, *Zelus*.
ochraceus (Herrich–Schaeffer), Wanz. Ins., ix, p. 121, 1853, *Zelus*.
varipes (Herrich–Schaeffer), Wanz. Ins., ix, p. 121, 1853, *Zelus*.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 139, 1868.
Stål, Enum. Hemip., ii, p. 80, 1872.
Localities: Texas (not Ill. as per Fracker). (Neotropical.)

Genus **Fitchia** Stål

Haplotype *aptera* Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 367, 370, 1859; xxiii, p. 293, 1866.
Stål, Enum. Hemip., ii, pp. 69, 79, 1872.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 223, 242, 1913.

789. **Fitchia aptera** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 371, 1859.
Heidemann, Proc. Ent. Soc. Wash., iv, p. 123, 1897.
Fracker, Proc. Ia. Acad. Sci., xix, p. 243, 1913.
Parshley, Psyche, xxi, p. 144, 1914.
nigro-vittata Stål, Of. Vet. Akad. Forh., xxiii, p. 296, 1866 (n.n. for *aptera*).
Stål, Enum. Hemip., ii, p. 79, 1872.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893.
Gillette and Baker, Hemip. Colo., p. 59, 1895.

Bueno, Jl. N. Y. Ent. Soc., xviii, p. 32, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 155, 1910.
Localities: Me., Mass., N. Y., N. J., Pa., S. C., Ill., Kan., Colo., Utah, Okl., Texas.

790. **Fitchia spinosula** Stål

Stål, Enum. Hemip., ii, p. 79, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Gillette and Baker, Hemip. Colo., p. 59, 1895.
Fracker, Proc. Ia. Acad. Sci., xix, p. 242, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Localities: Ga., Fla., Texas, Colo.

Genus **Rocconota** Stål
Logotype *sextuberculata* Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 366, 370, 1859; xxiii, p. 293, 1866.
Stål, Enum. Hemip., ii, pp. 69, 79, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 272, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 223, 242, 1913.

791. **Rocconota annulicornis** (Stål)

Stål, Enum. Hemip., ii, p. 77, 1872, *Heza.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 283, 1894, *Heza.*
Champion, Biol. Centr. Am., Heter., ii, p. 273, pl. 16, fig. 21, 1899.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 153, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 286, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 156, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 242, 1913.
Localities: N. J., Texas. (Mexico.)

Genus **Atrachelus** Am. & Serv.
Haplotype *heterogeneus* Am. & Serv. = *cinereus* (Fabr.)

Amyot and Serville, Hémip., p. 374, 1843.
Stål, Of. Vet. Akad. Forh., xxiii, p. 293, 1866.
Stål, Enum. Hemip., ii, pp. 66, 78, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 283, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 244, 1913.

792. **Atrachelus cinereus** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 545, 1796, *Reduvius.*
Fabricius, Syst. Rhyng., p. 287, 1803, *Zelus.*
Stål, Enum. Hemip., ii, p. 78, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 327, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 284, pl. 17, fig. 16, 1899.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Fracker, Proc. Ia. Acad. Sci., xix, p. 244, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
heterogeneus Amyot and Serville, Hémip., p. 374, pl. 7, fig. 4, 1843.
Localities: Pa., N. C., S. C., Fla., Texas. (Mexico.)

Genus **Doldina** Stål
Haplotype *carinulata* Stål

Stål, Of. Vet. Akad. Forh., xvi, pp. 366, 368, 1859; xxiii, p. 292, 1866.

Stål, Enum. Hemip., ii, p. 78, 1872 (as synon. of *Hygromystes*).
Bergroth, Ent. News, xxiv, p. 263, 1913.
Hygromystes Stål, Rio Jan. Hemip., i, p. 75, 1860 (type *lautus* Stål).
Stål, Of. Vet. Akad. Forh., xxiii, p. 292, 1866.
Stål, Enum. Hemip., ii, pp. 68, 78, 1872.

793. **Doldina praetermissa** Bergr.

Bergroth, Ent. News, xxiv, p. 264, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Localities: Fla. (Central America.)

794. **Doldina interjungens** Bergr.

Bergroth, Ent. News, xxiv, p. 263, 1913.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
Hygromystes sp. Bueno and Engelhardt, Can. Ent., xlii, p. 150, 1910.
Localities: Md., N. C.

TRIBE *HARPACTORINI* (Stål)

Stål, Of. Vet. Akad. Forh., xvi, p. 196, 1859.
Van Duzee, Can. Ent., xlvi, p. 384, 1914, *Harpactocorinae*.
Hezida Stål, Berl. Ent., Zeit., iii, p. 328, 1859.

Genus **Heza** Am. & Serv.
Haplotype *binotata* Lep. & Serv.

Amyot and Serville, Hémip., p. 374, 1843.
Stål, Of. Vet. Akad. Forh., xvi, p. 196, 1859.
Stål, Hemip. Afr., iii, p. 48, 1865.
Stål, Hemip. Fabr., i, p. 100, 1868.
Stål, Enum. Hemip., ii, pp. 68, 75, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 284, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 225, 244, 1913.

795. **Heza similis** Stål

Stål, Of. Vet. Akad. Forh., xvi, p. 199, 1859.
Stål, Hemip. Fabr., i, p. 100, 1868.
Stål, Enum. Hemip., ii, p. 76, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 285, pl. 17, figs. 17, 18, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 244, 1913.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 13, 1914.
Localities: Calif. (Neotropical.)

[**Heza clavata** Guerin. *See* Ashmead, Insect Life, vii, p. 321, 1895. Probably a wrong determination of *Atrachelus cinereus* or an allied form.]

Genus **Arilus** Burm.
Logotype *serratus* Fabr. = *carinatus* (Forst.)

Hahn, Wanz. Ins., i, p. 33, 1831 (nomen nudum, for *serratus* Fabr.).
Burmeister, Handb. d. Ent., ii, p. 227, 1835.
Herrich-Schaeffer, Wanz. Ins., viii, p. 33, 1848.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 196, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 287, 1899.

Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 245, 1913. [*Harpactor*).

‖*Prionotus* Laporte, Essai Classif. Syst. Hémip., p. 8, 1832 (subgen. of
Spinola, Essai sur les Hémip., p. 117, 1837 (names *serratus* Fabr. as
Amyot and Serville, Hémip., p. 356, 1843. [example).
Spinola, Tavola Sinot., p. 47, 1850.
Stål, Of. Vet. Akad. Forh., xvi, p. 196, 1859.
Stål, Hemip. Afr., iii, p. 47, 1865.
Stål, Enum. Hemip., ii, p. 72, 1872.

†*Zelus*, Div. 5, Blanchard, Hist. Nat. des Ins., Hémip., p. 102, 1840.

Prionidus Uhler, Check List, p. 23, 1886 (n.n. for *Prionotus* Lap.).

796. **Arilus cristatus** (Linn.)

Linnaeus, Cent. Ins. Rar., p. 16, 1763, *Cimex*.
Linnaeus, Syst. Nat., edn. 12, i, pt. 2, p. 723, 1767, *Cimex*.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2195, 1788, *Cimex*.
Stål, Enum. Hemip., ii, p. 72, 1872, *Prionotus*.
Uhler, Proc. U. S. Geol. Geog. Surv., i, p. 327, 1876, *Prionotus*.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1329, *Prionotus*.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 426, 1878, *Prionotus*.
Uhler, Stand. Nat. Hist., ii, p. 282, 1884, *Prionotus*.
Lintner, 6th Rept. N. Y. St. Ent., p. 138, 1890, *Prionidus*.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 283, 1894, *Prionidus*.
Champion, Biol. Centr. Am., Heter., ii, p. 288, 1899.
Smith, Cat. Ins. N. J., edn. 3, p. 156, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 245, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914. [fig. 2, *Reduvius*.

novenarius (Say), Am. Ent., ii, pl. 31, 1825; Compl. Writ., i, p. 71, pl. 31,
Say, Heter. N. Harm., p. 33, 1832; Fitch reprint, p. 803; Compl. Writ.,
Stål, Of. Vet. Akad. Forh., xvi, p. 196, 1859, *Prionotus*. [i, p. 358, *Nabis*.
Walker, Cat. Heter., viii, p. 76, 1873, *Prionotus*.

denticulatus Westwood in Drury, Illust. Exot. Ent., edn. 2, p. 73, 1837.

patulus (Walker), Cat. Heter., viii, p. 76, 1873, *Prionotus*.

Localities: N. J., Pa., Del., Md., D. C., N. C., S. C., Fla., Okl.,
Texas, N. Mex.

Genus **Acholla** Stål

Haplotype *sex-spinosa* Wolff = *multispinosa* (De Geer)

Stål, Stet. Ent. Zeit., xxiii, p. 445, 1862.
Stål, Hemip. Afr., iii, p. 47, 1865.
Stål, Enum. Hemip., ii, pp. 67, 72, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 178, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 289, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 245, 1913.

‖*Ascra* Stål, Stet. Ent. Zeit., xxiii, p. 445, 1862 (type *tabida* Stål).

797. **Acholla multispinosa** (De Geer)

De Geer, Mémoires, iii, p. 348, pl. 35, fig. 10, 1773, *Cimex* (part).
Goeze, Ent. Beytr., ii, p. 271, 1778, *Cimex*.
Retzius, Genera et Spec. Ins., p. 87, 1783, *Cimex*.
Stål, Enum. Hemip., ii, p. 72, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 428, 1878.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 156, 1910.
Fracker, Proc. Ia. Acad. Sci., xix, p. 245, 1913.
sexspinosa (Wolff), Icon. Cimic., iii, p. 124, fig. 118, 1802, *Reduvius.*
Stål, Stet. Ent. Zeit., xxiii, p. 445, 1862. [*Harpactor.*
subarmatus (Herrich-Schaeffer), Wanz. Ins., viii, p. 83, fig. 852, 1848, *Reduvius sp.* Emmons, Nat. Hist. N. Y., Agr., v, p. 168, 1854.
stimulatrix (Emmons), Nat. Hist. N. Y., Agr., v, pl. 29, fig. 8, 1854, *Sinea.*
Localities: Ont., Me., Mass., N. Y., N. J., Pa., N. C., Ill., Wis., Ia., Neb., Kan., Colo., Ariz.

798. **Acholla ampliata** Stål

Stål, Enum. Hemip., ii, p. 72, 1872.
Champion, Biol. Centr. Am., Heter., ii, p. 290, pl. 18, fig. 1, 1899.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904.
Fracker, Proc. Ia. Acad. Sci., xix, p. 245, 1913.
Localities: N. Mex., Ariz. (Mexico.)

799. **Acholla tabida** (Stål)

Stål, Stet. Ent. Zeit., xxiii, pp 446, 1862, *Ascra.*
Stål, Enum. Hemip., ii, p. 72, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 290, 1899.
Fracker, Proc. Ia. Acad. Sci., xix, p. 245, 1913.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914.
Localities: Calif. (Mexico.)

Genus **Sinea** Am. & Serv.
Logotype *multispinosa* Am. & Serv. = *diadema* (Fabr.)

Amyot and Serville, Hémip., p. 375, 1843.
Stål, Stet. Ent. Zeit., xxii, p. 137, 1861; xxiii, p. 443, 1862.
Stål, Hemip. Afr., iii, p. 47, 1865.
Stål, Enum. Hemip., ii, p. 70, 1872.
Walker, Cat. Heter., vii, pp. 49, 54, 1873.
Provancher, Pet. Faune Ent. Can., iii, p. 180, 1887.
Champion, Biol. Centr. Am., Heter., ii, p. 291, 1899.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 2, 1901 (monograph).
Fracker, Proc. Ia. Acad. Sci., xix, pp. 224, 246, 1913.

800. **Sinea diadema** (Fabr.)

Fabricius, Genera Ins., p. 302, 1776, *Reduvius.*
Goeze, Ent. Beytr., ii, p. 252, 1778, *Cimex.*
Fabricius, Spec. Ins., ii, p. 382, 1781, *Reduvius.*
Fabricius, Mantissa Ins., ii, p. 313, 1787, *Reduvius.*
Gmelin, *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2196, 1788, *Cimex.*
Fabricius, Ent. Syst., iv, p. 206, 1794, *Reduvius.*
Fabricius, Syst. Rhyng., p. 286, 1803, *Zelus.*
Stål, Enum. Hemip., ii, p. 70, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876; iii, p. 429, 1877; iv, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 360, 1878. [508, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 180, 1887.

Van Duzee, Can. Ent., xxi, p. 5, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894.
Gillette and Baker, Hemip. Colo., p. 59, 1895.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 3, 1901.
Smith, Cat. Ins. N. J., edn. 3, p. 157, 1910.
Heidemann, Proc. Ent. Soc. Wash., xiii, p. 135, 1911 (egg).
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914.
Parker, Ent. News, xxvii, p. 280, 1916 (habits).

multispinosus (De Geer), Mémoires, iii, p. 348, pl. 35, fig. 11, 1773, *Cimex* [(part, fig. 11 only refers to this species).

hispidus (Thunberg), Nova Ins. Spec., ii, p. 33, 1783, *Cimex.*

Stål, Of. Vet. Akad. Forh., xxiii, p. 264, 1866, *Irantia.* [*Cimex.*

setosus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2144, 1788,

raptatorius (Say), Jl. Acad. Nat. Sci. Phila., iv, p. 327, 1825; Compl. [Writ., ii, p. 249, *Reduvius.*

Say, Am. Ent., ii, pl. 31, 1825; Compl. Writ., i, p. 72, pl. 31, fig. 1,

†*multispinosa* Amyot and Serville, Hémip., p. 375, 1843. [*Reduvius.*

Stål, Stet. Ent. Zeit., xxii, p. 139, 1861; xxiii, p. 443, 1862.
Stål, Hemip. Fabr., i, p. 97, 1868.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872.
Walker, Cat. Heter., viii, p. 139, 1873.

Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., D. C., Va., N. C., S. C., Ga., Fla., Wis., Neb., Dak., Kan., Colo., Utah, Okl., Idaho, Calif.

801. **Sinea undulata** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 282, 1894.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 6, 1901.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.

Localities: Calif. (Mexico.)

802. **Sinea confusa** Caud.

Caudell, Jl. N. Y. Ent. Soc., ix, p. 6, 1901.
Barber, Brookl. Inst., Sci. Bul., i, p. 286, 1906.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.

†*integra* Uhler, Check List, p. 23, 1886.

†*undulata* Champion, Biol. Centr. Am., Heter., ii, p. 292, pl. 18, fig. 5, 1899.

Localities: Texas, Ariz., Calif. (Mexico.)

803. **Sinea coronata** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 444, 1862.
Stål, Enum. Hemip., ii, p. 71, 1872.
Walker, Cat. Heter., viii, p. 138, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 292, pl. 18, figs. 6, 7, 1899.
Caudell, Jl. N. Y., Ent. Soc., ix, p. 7, pl. 1, fig. 2, 1901.
Barber, Brookl. Inst., Sci. Bul., i, p. 286, 1908.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.

Localities: Texas, Calif. (Mexico.)

804. **Sinea complexa** Caud.

Caudell, Jl. N. Y. Ent. Soc., ix, p. 7, pl. 1, fig. 3, 1901.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914.
Localities: Colo., Utah, Ariz., Calif.

805. **Sinea raptoria** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 444, 1862.
Stål, Enum. Hemip., ii, p. 71, 1872.
Walker, Cat. Heter., viii, p. 139, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876.
Champion, Biol. Centr. Am., Heter., ii, p. 293, pl. 18, fig. 10, 1899.
Caudell, Jl., N. Y. Ent. Soc., ix, p. 9, pl. 1, fig. 6, 1901.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.
denticulosa Stål, Enum. Hemip., ii, p. 71, 1872.
Localities: Ariz., Calif. (Neotropical.)

806. **Sinea sanguisuga** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 444, 1862.
Stål, Enum. Hemip., ii, p. 71, 1872.
Walker, Cat. Heter., viii, p. 139, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 294, pl. 18, fig. 12, 1899.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 9, pl. 1, figs. 7, 8, 1901.
Bergroth, Revue d'Ent., xxiv, p. 108, 1905.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.
Localities: Texas. (Neotropical.)

807. **Sinea spinipes** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 82, fig. 851, 1848, *Harpactor*.
Stål, Enum. Hemip., ii, p. 71, 1872.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 10, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Bueno, Can. Ent., xliv, p. 213, 1912.
Fracker, Proc. Ia. Acad. Sci., xix, p. 247, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Localities: N. Y., Ga., Fla., Kan., Colo.

808. **Sinea rileyi** Montd.

Montandon, Proc. U. S. Natl. Mus., xvi, p. 51, 1893.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 10, 1901.
Barber, Brookl. Inst., Sci. Bul., i, p. 287, 1906.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 159, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Fracker, Proc. Ia. Acad. Sci., xix, p. 247, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 506, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914.
Localities: N. C., Fla., Texas, Utah, Ariz., Calif.

809. **Sinea defecta** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 445, 1862.
Stål, Enum. Hemip., ii, p. 71, 1872.
Walker, Cat. Heter., viii, pp. 139, 140, 1873.

Champion, Biol. Centr. Am., Heter., ii, p. 295, 1899.
Caudell, Jl. N. Y. Ent. Soc., ix, p. 11, 1901.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Fracker, Proc. Ia. Acad. Sci., xix, p. 246, 1913.
Localities: Ariz. (Mexico.)

PHALANX *HEBRIFORMES* Oshanin*

Oshanin, Kat. Palae. Hemip., p. 56, 1912.
Ripicolae Amyot and Serville, Hémip., pp. xl, 293, 1843. [family).
Hebroideae Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 78, 1910 (super-
Mesoveliiformes Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 61, 1910 [(Phalynx).
Naeogeiformes Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, [pp. 23, 49, 1912 (Phalynx).

Family HEBRIDAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xl, 293, 1843, *Hebrides.*
Fieber, Genera Hydroc., p. 9, 1851, *Hebroidea.*
Dohrn, Cat. Hemip., p. 41, 1859, *Hebridae.*
Flor, Rhyn. Livl., i, p. 371, 1860, *Hebroidea.*
Fieber, Europ. Hemip., pp. 23, 32, 104, 1861, *Hebridae.*
Douglas and Scott, Brit. Hemip., p. 25, 1865, *Hebridae.*
Walker, Cat. Heter., viii, p. 159, 1873.
Berg, Hemip. Argent., p. 116, 1884.
Puton, Cat. Hémip. Palae., p. 36, 1896, *Hebrides.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 51, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 117, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 167, 1903.
Horvath, Ann. Mus. Natl. Hung., ix, p. 21, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 482, 1908.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 78, 1910.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.
Naeogeidae Kirkaldy, Fauna Hawai., iii, p. 168, 1902.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 214, 1908.
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 152, 1910. [1912.
Reuter, Of. Finska Vet. Akad. Forh., liv, Afd. A, No. 6, pp. 23, 49, 55,

Genus **Hebrus** Curt.
Haplotype *pusillus* (Fall.)

Curtis, Ent. Mag., i, p. 198, 1833.
Westwood, Ann. Soc. Ent. Fr., Ser. 1, iii, p. 652, 1834.
Burmeister, Handb. d. Ent., ii, p. 214, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 296, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 97, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840.
Amyot and Serville, Hémip., p. 293, 1843.
Spinola, Tavola Sinot., p. 44, 1850.
Flor, Rhyn. Livl., i, p. 372, 1860.

* Dr. Bergroth writes me that Horvath now finds this phalanx pertains to the Hydrobiotica. It may follow the Veliidae.

Fieber, Europ. Hemip., pp. 32, 104, 1861.
Douglas and Scott, Brit. Hemip., p. 263, 1865.
Walker, Cat. Heter., viii, p. 159, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 117, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 167, 1903.
Oshanin, Verz. Palae. Hemip., i, p. 482, 1908.
Horvath, Ann. Mus. Natl. Hung., ix, p. 22, 1911.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.
†*Naeogaeus* Kirkaldy, Entomologist, p. 241, 1900.
Bergroth, Wien. Ent. Zeit., xxxi, p. 164, 1912.

810. **Hebrus burmeisteri** L. & S.

Lethierry and Severin, Cat. Génl. Hémip., iii, p. 51, 1896.
Kirkaldy, Proc. Ent. Soc. Wash., x, p. 214, 1908, *Naeogaeus.*
Parshley, Ent. News, xxvii, p. 105.
†*pusillus* Burmeister, Handb. d. Ent., ii, p. 214, 1835.
Van Duzee, Psyche, v, p. 240, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894.
Localities: N. H., Mass., N. Y., Pa., Ill.

811. **Hebrus sobrinus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 452, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330 (as new).
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 288, 1894.
Gillette and Baker, Hemip. Colo., p. 61, 1895.
Localities: Colo., Ariz., Calif.

812. **Hebrus concinnus** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 221.
Gillette and Baker, Hemip. Colo., p. 61, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 121, 1898.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 234, 1908, *Naeogaeus.*
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 152, 1910, *Naeogaeus.*
Bueno, Can. Ent., xliv, p. 212, 1912, *Naeogaeus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914, *Naeogaeus.*
Localities: Quebec, Ont., N. Y., N. J., Pa., Md., Fla., Ill., Colo., Calif., Wash. (Neotropical.)

813. **Hebrus consolidus** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 222.
Champion, Biol. Centr. Am., Heter., ii, p. 119, pl. 8, fig. 4, 1898.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: Fla. (Neotropical.)

Family MESOVELIIDAE D. & S.

Douglas and Scott, Ent. Mo. Mag., iv, p. 3, 1867, Tribe.
Puton, Synop. Heter. Fr., i, p. 145, 1879, Tribe *Mesovelini.*
Reuter, Ent. Tidskr., iii, p. 165, 1882, Subfam. *Mesoveliina.*
Puton, Cat. Hémip. Palae., edn. 3, p. 36, 1886, Tribe *Mesovelini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 53, 1896, Subfamily.
Distant, Fauna Br. Ind., Rhyn., ii, p. 168, 1903, Subfam. *Mesoveliinae.*

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906, Subfam. *Mesoveliinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 67, 1910, *Mesoveliadae.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 22, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 23, 1912, *Meso-*
Oshanin, Kat. Palae. Hemip., p. 56, 1912. [*veliadae.*

Genus **Mesovelia** M. & R.
Type *furcata* Muls. & Rey

Mulsant and Rey, Ann. Soc. Linn. Lyons, 1852, p. 138.
Fieber, Europ. Hemip., pp. 33, 105, 1861.
Douglas and Scott, Ent. Mo. Mag., iv, p. 4, 1867.
Puton, Synop. Heter. Fr., i, p. 146, 1879.
Champion, Biol. Centr. Am., Heter., ii, p. 123, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 168, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 484, 1908. [Jak.)
Fieberia Jakowlef, Trudy Russk. Ent., vii, p. 32, 1874. (Type *lacustris*

814. **Mesovelia mulsanti** White

White, Trans. Ent. Soc. Lond. for 1879, p. 268.
Champion, Biol. Centr. Am., Heter., ii, p. 123, pl. 8, figs. 10, 11, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 168, 1903.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 213, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
bisignata Uhler, Stand. Nat. Hist., ii, p. 274, fig. 324, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 217.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 289, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894.
Kirkaldy, Ann. Soc. Ent. Belg., xliii, p. 505, 1899.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 152, 1910.
?orientalis Kirkaldy, Ann. Mus. Civ. Genoa, xl, p. 808, 1901.
Localities: Mass., N. Y., N. J., Md., N. C., Fla., Ohio, Ill., Kan., Texas.

PHALANX *NABIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxiii, No. 3, p. 72, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 49, 1912.
Oshanin, Kat. Palae. Hemip., p. 54, 1912.

Family **NABIDAE** (Costa)

Costa, Cimic. Neap., Cent., iii, p. 66, 1852, Subfam. *Nabini.*
Stål, Of. Vet. Akad. Forh., xv, p. 247, 1858, Subfam. *Nabides.*
Dohrn, Cat. Hemip., p. 51, 1859.
Fieber, Europ. Hemip., pp. 25, 57, 1861.
Stål, Stet. Ent. Zeit., xxiii, p. 458, 1862, *Nabida.*
Stål, Hemip. Afr., iii, p. 37, 1865, *Nabida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 674, 1870, *Nabina.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 68, 1872.

Stål, Enum. Hemip., iii, p. 106, 1873.
Uhler, Check List., p. 23, 1886.
Puton, Cat. Hémip. Palae., edn. 3, p. 40, 1886, Tribe *Nabini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 202, 1896 (as subfamily).
Champion, Biol. Centr. Am., Heter., ii, p. 297, 1899.
Kirkaldy, Wien. Ent. Zeit., xx, p. 219, 1901.
Kirkaldy, Fauna Hawai., iii, p. 153, 1902, Subfam. *Nabinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 389, 1904, Subfam. *Nabinae.*
Kirkaldy, Proc. Hawai. Ent. Soc., i, p. 155, 1907.
Kirkaldy, Can. Ent., xl, p. 360, 1908.
Reuter, Mém. Soc. Ent. Belg., xv, p. 87, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 563, 1908.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 3, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 73, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 49, 56, 1912.
Banks, Cat. Nearc. Hemip., p. 21, 1910.
Oshanin, Kat. Palae. Hemip., p. 54, 1912.

Subfamily PROSTEMMINAE (Reut.)

Reuter, Revue d'Ent., ix, p. 289, 1890, *Prostemmina.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 391, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 564, 1908.
Oshanin, Kat. Palae. Hemip., p. 54, 1912.
Nabina Stål, Enum. Hemip., iii, pp. 106, 107, 1873.
Uhler, Check List, p. 23, 1886.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 3, 1909.

Genus **Pagasa** Stål
Haplotype *pallidiceps* Stål

Stål, Rio Jan. Hemip., ii, p. 60, 1862.
Stål, Hemip. Afr., iii, p. 38, 1865.
Stål, Enum. Hemip., iii, pp. 107, 108, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 297, 1899.
Reuter, Mém. Soc. Ent. Belg., xv, p. 88, 1908.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 25, 1909.

Subgenus **Pagasa** Stål
Reuter and Poppius, Act Soc. Sci. Fenn., xxxvii, No. 2, p. 25, 1909.

815. **Pagasa pallipes** Stål

Stål, Enum. Hemip., iii, p. 108, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876.
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893.
Champion, Biol. Centr. Am., Heter., ii, p. 299, pl. 18, fig. 18, 1899.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 29, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: Fla., Kan., Texas, Utah.

Subgenus **Lampropagasa** R. & P.
Orthotype *fusca* Stein

Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 30, 1909.

816. **Pagasa fusca** (Stein)

Stein, Berl. Ent. Zeit., i, p. 90, 1857, *Prostemma.*
Reuter, Revue d' Ent., ix, p. 291, 1890.
Champion, Biol. Centr. Am., Heter., ii, p. 299, pl. 18, fig. 17, 1899.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 232, 1908.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 31, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
Parshley, Psyche, xxi, p. 143, 1914.
nitida Stål, Enum. Hemip., iii, p. 108, 1873.
Berg, Hemip. Argent., Add., p. 105, 1884.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894.
Localities: Me., N. Y., N. J., Pa., Wis., Colo., Manitoba, Br. Col.

Genus **Phorticus** Stål
Logotype *viduus* Stål

Stål, Rio Jan. Hemip., i, p. 69, 1860.
Stål, Enum. Hemip., iii, pp. 107, 109, 1873.
Reuter, Revue d'Ent., ix, p. 290, 1890.
Reuter, Wien. Ent. Zeit., xii, p. 317, 1893.
Champion, Biol. Centr. Am., Heter., ii, p. 300, 1899.
Distant, Fauna Br. Ind., Rhyn., ii, p. 395, 1904 (names *viduus* type).
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 49, 1909.

817. **Phorticus collaris** Stål

Stål, Enum. Hemip., iii, p. 109, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 301, pl. 18, fig. 21, 1899.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 54, 1909.
Localities: Texas. (Mexico.)

Subfamily NABINAE (Reut.)

Reuter, Revue d'Ent., ix, p. 293, 1890, *Nabina.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 397, 1904, Div. *Nabidinaria.*
Oshanin, Verz. Palae. Hemip., i, p. 568, 1908.
Oshanin, Kat. Palae., Hemip., p. 55, 1912.
Coriscina Stål, Enum. Hemip., iii, pp. 106, 110, 1873.
Uhler, Check List, p. 23, 1886.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904, *Coriscidae.*
Arachnocorina Reuter, Revue d'Ent., ix, p. 292, 1890.
Reduviolina Reuter, Mém. Soc. Ent. Belg., xv, p. 129, 1908.
Reuter and Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 2, p. 3, 1909.

TRIBE *NABINI* Van D.

Van Duzee, Check List Hemip., p. 32, 1916.
Reduviolaria Reuter (Division).
[I cannot find that this division was ever established, but it is inferred in the following: Reuter, Ann. Soc. Ent. Belg., liii, p. 423, 1909.]

Genus **Nabis** Latr.
Logotype *vagans* Fabr. = *ferus* (Linn.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 248, 1802 (for *guttula* and *vagans*).
Latreille, Hist. Nat. Crust. Ins., xii, p. 255, 1804 (gives *apterus* and *guttula*
Latreille, Genera Crust. Ins., iii, p. 127, 1807. [as examples).

Latreille, Consid. Génl., pp. 256, 433, 1810 (names *apterus* type; invalid).
Laporte, Essai Classif. Syst. Hémip., p. 11, 1832 (cites *apterus* as type).
Hahn, Wanz. Ins., iii, p. 30, 1835.
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 62, 99, 1835.
Burmeister, Handb. d. Ent., ii, pp. 241, 399, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 322, pl. 25, fig. 1, 1835 (subgen. of *Reduvius*).
Spinola, Essai sur les Hémip., p. 105, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 107, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840 (names *vagans*
Amyot and Serville, Hémip., p. 330, 1843. [Fabr. type, valid).
Herrich-Schaeffer, Wanz. Ins., viii, p. 95, 1853.
Flor, Rhyn. Livl., i, p. 690, 1860; ii, p. 618, 1861.
Fieber, Europ. Hemip., pp. 43, 159, 1861.
Stål, Hemip. Afr., iii, pp. 38, 41, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, pp. 60, 80, 1872 (European forms).
Walker, Cat. Heter., vii, p. 139, 1873.
Reuter, Revue d'Ent., ix, p. 293, 1890 (Monograph).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 207, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 301, 1899.
Distant, Fauna Br. Ind., Rhyn., ii, p. 399, 1904 (gives *apterus* Fabr. as type).
Oshanin, Verz. Palae. Hemip., i, p. 568, 1908.
Oshanin, Kat. Palae. Hemip., p. 55, 1912.
Van Duzee, Can Ent., xlvi, p. 385, 1914.

†*Miris* Leach, Brewster's Edinbg. Encyc., ix, p. , 1815; Am. edn., viii, [p. 711, 1832 (for *vagans* Wolff).

¶*Aptus* Hahn, Wanz. Ins., i, p. 35, 1831.

Reduviolus Kirby, Richardson's Fauna Bor. Am., iv, p. 279, 1837. (Haplo-
Kirkaldy, Entomologist, xxxii, p. 242, 1900. [type *inscriptus.*)
Reuter, Mém. Soc. Ent. Belg., xv, p. 93, 1908 (Systematic).
Banks, Cat. Nearc. Hemip., p. 22, 1910.

†*Coriscus* Stål, Enum. Hemip., iii, p. 112, 1873.
Berg, Hemip. Argent., p. 143, 1879.
Uhler, Check List., p. 23, 1886.

Subgenus **Nabicula** Kirby
Haplotype *subcoleoptratus* Kirby

Kirby, Richardson's Fauna Bor. Am., iv, p. 281, 1837.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 80, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873.
Reuter, Revue d'Ent., ix, p. 295, 1890.

818. **Nabis subcoleoptratus** Kirby

Kirby, Richardson's Fauna Bor. Am., iv, p. 282, 1837; Bethune's reprint, p.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872. [138, *Nabicula.*
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, pp. 80, 81, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876; iv, p. 508, 1878, *Coriscus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 423, 1878, *Coriscus.*
Uhler, Stand. Nat. Hist., ii, p. 282, 1884, *Nabicula.*
Provancher, Pet. Faune Ent. Can., iii, p. 175, 1887, *Coriscus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 182, 1894, *Coriscus.*
Kirkaldy,Wien. Ent. Zeit., xx, p. 222, 1901, *Reduviolus.*

Distant, Ann. Mag. Nat. Hist., Ser. 7, xi, p. 367, 1903.
Reuter, Mém. Soc. Ent. Belg., xv, p. 98, 1908, *Reduviolus.*
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910, *Reduviolus.*
Van Duzee, Can. Ent., xliv, p. 323, 1912, *Reduviolus.*
canadensis Prov. Nat. Can., i, p. 211, 1869.
[*marginatus* Uhl. MS] Riley, 2d Rept. Nox. Ins. Mo., p. 32, 1870. [tion).
[*xanthopus* MSS] Walker, Cat. Heter., vii, p. 143, 1873 (without descrip-
†*propinquus* Provancher, Pet. Faune Ent. Can., iii, p. 175, 1887, *Coriscus.*
Localities: No. Sco., Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Ill., Wis., Dak., Neb., Kan., Colo., Texas.

Subgenus **Hoplistoscelis** Reut.
Logotype *sericans* Reut. = *nigriventris* Stål

Reuter, Revue d'Ent., ix, pp. 294, 295, 1890.
Kirkaldy, Wien. Ent. Zeit., xx, p. 223, 1901.
Reuter, Mém. Soc. Ent. Belg., xv, p. 99, 1908.

819. **Nabis nigriventris** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 458, 1862.
Stål, Enum. Hemip., iii, p. 114, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876, *Coriscus.*
Champion, Biol. Centr. Am., Heter., ii, p. 302, pl. 18, fig. 25, 1899.
Reuter, Mém. Soc. Ent. Belg., xv, p. 99, 1908, *Reduviolus.*
sericans Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 83, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876, *Coriscus.*
Reuter, Revue d'Ent., ix, p. 296, 1890.
Gillette and Baker, Hemip. Colo., p. 59, 1895, *Coriscus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904, *Coriscus.*
†*roripes* Uhler, Proc. Zool. Soc. Lond. for 1893, p. 706, *Coriscus.*
Localities: Texas, N. Mex., Colo.. (Neotropical.)

820. **Nabis sordidus** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 85, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Reuter, Revue d'Ent., ix, p. 299, 1890.
Champion, Biol. Centr. Am., Heter., ii, p. 203, pl. 18, figs. 26, 27, 28, 1899.
Barber, Brookl. Inst., Sci. Bul., i, p. 287, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 25, 1907.
Reuter, Mém. Soc. Ent. Belg., xv, p. 100, 1908, *Reduviolus.*
Bueno, Can. Ent., xliv, p. 212, 1912, *Reduviolus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
pallescens Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 85, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Reuter, Revue d'Ent., ix, p. 298, 1890.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 282, 1894, *Coriscus.*
Smith, Cat. Ins. N. J., edn. 3, p. 149, 1910.
†*crassipes* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 205, *Coriscus.*
†*sericans* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 205, *Coriscus.*
Localities: N. J., Pa., Md., D. C., Fla., La., Texas, Wis.

821. **Nabis crassipes** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 83, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876, *Coriscus.*
Reuter, Revue d'Ent., ix, p. 297, 1890.
Champion, Biol. Centr. Am., Heter., ii, p. 302, pl. 18, figs. 22, 23, 24, 1899.
Localities: Ga. Texas, Calif.

822. **Nabis heidemanni** Reut.

Reuter, Mém. Soc. Ent. Belg., xv, p. 100, 1908, *Reduviolus.*
Locality: Calif.

Subgenus **Lasiomerus** Reut.
Orthotype *annulatus* Reut.

Reuter, Revue d'Ent., ix, pp. 294, 305, 1890.
Reuter, Mém. Soc. Ent. Belg., ix, p. 102, 1908. [*spinicrus* Reut.)
Acanthonabis Reuter, Revue d'Ent., ix, pp. 294, 305, 1890. (Haplotype

823. **Nabis annulatus** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 86, 1872.
Stål, Enum. Hemip., iii, p. 112, 1873, *Coriscus.*
Reuter, Revue d'Ent., ix, p. 305, 1890 (noted as type).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Coriscus.*
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910, *Reduviolus.*
Localities: Ont., N. Y., N. J., Pa., Ohio, Ill.

824. **Nabis spinicrus** Reut.

Reuter, Revue d'Ent., ix, p. 305, 1890.
Reuter, Mém. Soc. Ent. Belg., xv, p. 103, 1908, *Reduviolus.*
†*capsiformis* Uhler, Proc. Zool. Soc. Lond. for 1893, p. 706, *Coriscus.*
signatus Uhler, Proc. Zool. Soc. Lond. for 1894, p. 205, *Coriscus.* [1900.
Champion, Biol. Centr. Am., Heter., ii, p. 304, pl. 18, figs. 31, 32, 33,
Localities: "S. St." (Neotropical.)

Subgenus **Dolichonabis** Reut.
Logotype *limbatus* Dahlb.

Reuter, Mém. Soc. Ent. Belg., xv, p. 104, 1908.

825. **Nabis propinquus** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 87, 1872.
Reuter, Revue d'Ent., ix, p. 308, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Coriscus.*
Van Duzee, Can. Ent., xl, p. 111, 1908, *Reduviolus.*
Reuter, Mém. Soc. Ent. Belg., xv, p. 105, 1908, *Reduviolus.*
vicarius Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 87, 1872 (male).
‖*elongatus* Hart, Bul. Ill. St. Lab. Nat. Hist., vii, pp. 262, errata, 1907.
Localities: Quebec, Ont., N. Y., Ohio, Ill., Wis.

826. **Nabis limbatus** Dahlb.

Dahlbom, Kong. Vet. Akad. Handl., , p. 227, 1850.
Flor, Rhyn. Livl., i, p. 695, 1860.
Douglas and Scott, Brit. Hemip., p. 551, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, pp. 70, 87, 1872.

Reuter, Mém. Soc. Ent. Belg., xv, p. 107, 1908, *Reduviolus.*
†*vicarius* Van Duzee, 20th Rept. N. Y. St. Ent. for 1905, p. 550, 1905,
Van Duzee, Can. Ent., xxxviii, p. 407, 1906, *Coriscus.* [*Coriscus.*
Van Duzee, Can. Ent., xl, p. 111, 1908, *Reduviolus.*
Localities: Quebec, Ont., N. Y., Colo. (Palaearctic.)

Subgenus **Nabis** Latr.

Reuter, Revue d'Ent., ix, pp. 294, 307, 1890.
†*Coriscus* Stål, Enum. Hemip., iii, p. 113, 1873 (as subgenus).
†*Reduviolus* Reuter, Mém. Soc. Ent. Belg., xv, p. 111, 1908 (as subgenus).

827. **Nabis flavomarginatus** Scholtz

Scholtz, Arb. Schles. Ges. Vat. Kultur., p. 114, 1846.
Flor, Rhyn. Livl., i, p. 696, 1860.
Fieber, Europ. Hemip., p. 161, 1861.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, pp. 71, 88, 1872.
Reuter, Mém. Soc. Ent. Belg., xv, p. 111, 1908.
dorsatus Dahlbom, Kong. Vet. Akad. Handl., , p. 227, 1850.
nervosus Boheman, Of. Vet. Akad. Forh., ix, p. 77, 1852.
thesigus Kolenati, Melet. Ent., iv, p. 258, 1856.
Localities: "Greenland," Canada. (Palaearctic.)

a. var. **sibericus** (Reut.)
Reuter, Pet. Nouv. Ent., ii, p. 545, 1875, *Coriscus.*
Reuter, Of. Finska Vet. Soc. Forh., xxi, p. 32, 1878, *Coriscus.*
Reuter, Mém. Soc. Ent. Belg., xv, p. 111, 1908, *Reduviolus.*
Localities: Greenland, Alaska. (Siberia.)

b. var. **vanduzeei** (Kirk.)
Kirkaldy, Wien. Ent. Zeit., xx, p. 223, 1901, *Reduviolus.*
Reuter, Mém. Soc. Ent. Belg., xv, p. 111, 1908, *Reduviolus.*
Localities: Colo., Wash.

828. **Nabis capsiformis** Germ.

Germar, Silberm. Revue Ent., v, p. 132, 1837.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 88, 1872.
Stål, Enum. Hemip., iii, p. 113, 1873, *Coriscus.*
Puton, Synop. Heter. Fr., iii, p. 187, 1880.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 205, *Coriscus.*
Kirkaldy, Wien. Ent. Zeit., xx, p. 223, 1901, *Reduviolus.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 300, fig. 256, 1904.
Reuter, Mém. Soc. Ent. Belg., xv, p. 114, 1908, *Reduviolus.*
Van Duzee, Can. Ent., xli, p. 127, 1909, *Reduviolus* (occurrence).
Reuter, Of. Finska Vet. Soc. Forh., lv, Afd. A, No. 14, p. 77, 1913, *Reduviolus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914, *Reduviolus.*
angusta Spinola, Essai sur les Hémip., p. 107, 1837 (1840). [p. 79, 1838.
‖*angustus* Brullé, Anim. Art. rec. aux Canar. par Webb et Berth., Hemip.,
longipennis Costa, Atti Inst. Natl. for Napol. for 1848, p. 750.
Fieber, Europ. Hemip., p. 161, 1861.
caffra Stål, Of. Vet. Akad. Forh., xii, p. 39, 1855.
Stål, Hemip. Afr., iii, p. 41, 1865.
elongatus Meyer-Dur, Mitth. Schweiz. Ent. Ges., iii, p. 170, 1870.
Berg, Hemip. Argent., p. 144, 1879, *Coriscus.*
kinbergi Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 90, 1872.

sandersi White, Ent. Mo. Mag., xv, p. 159, 1878.
brullei Lethierry and Severin, Cat. Génl. Hémip., iii, p. 208, 1896.
Localities: N. C., S. C., Fla., Miss., Texas. (Bermudas, Neotropical, Europe, Asia, Africa, Australia.)

829. **Nabis ferus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 449, 1758, *Cimex.*
Linnaeus, Fauna Suec., edn. 2, p. 256, No. 962, 1761, *Cimex.*
Linnaeus, Syst. Nat., edn. 12, ii, p. 731, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 726, 1775, *Cimex.*
Fabricius, Ent. Syst., iv, p. 185, 1794, *Miris.*
Fabricius, Syst. Rhyng., p. 255, 1803, *Miris.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 228, 1804, *Miris.*
Fallén, Monog. Cimic. Suec., p. 112, 1807, *Miris.*
Zetterstedt, Fauna Lapp., p. 503, 1828, *Miris.*
Fallén, Hemip. Suec., Cimic., p. 133, 1829, *Miris.*
Hahn, Wanz. Ins., iii, p. 31, fig. 252, 1835.
Herrich-Schaeffer, Nomen. Ent., i, pp. 62, 99, 1835.
Zetterstedt, Ins. Lapp., column 282, 1840, *Miris.*
Rambur, Fauna Andul., p. 170, 1842.
Amyot and Serville, Hémip., p. 332, 1843.
Flor, Rhyng. Livl., i, p. 698, 1860.
Fieber, Europ. Hemip., p. 161, 1861.
Douglas and Scott, Brit. Hemip., p. 555, 1865.
Reuter, Of. Vet. Akad. Forh., xxix, No. 6, pp. 73, 90, 1872.
Stål, Enum. Hemip., iii, p. 113, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876; iii, p. 428, 1877, *Coriscus.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1329, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 508, 1878, *Coriscus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 421, 1878, *Coriscus.*
Uhler, Stand. Nat. Hist., ii, p. 282, 1884, *Coriscus.*
Provancher, Pet. Faune Ent. Can., iii, p. 176, 1887, *Coriscus.*
Reuter, Revue Synon., p. 343, No. 310, 1888.
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Coriscus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 282, 1894, *Coriscus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Coriscus.*
Champion, Biol. Centr. Am., Heter., ii, p. 305, 1900.
Barber, Brookl. Inst., Sci. Bul., i, p. 287, 1906.
Van Duzee, Can. Ent., xl, p. 111, 1908, *Reduviolus.*
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910, *Reduviolus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914. [name).
Cimex No. 48, Geoffroy, Hist. Abreg. des Ins., i, p. 458, 1762 (without
tripunctatus (Muller), Zool. Danica, p. 107, 1776, *Cimex.*
scutello-maculatus (Goeze), Ent. Beytr., ii, p. 271, 1778, *Cimex.*
marginato-striatus (Goeze), Ent. Beytr., ii, p. 279, 1778, *Cimex.*
sponsalis Geoffroy *in* Fourcroy, Ent. Paris., i, p. 210, 1785, *Cimex.*
vagans (Fabricius), Mantissa Ins., ii, p. 307, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 185, 1794, *Miris.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 249, 1802.
Fabricius, Syst. Rhyng., p. 255, 1803, *Miris.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 228, 1804, *Miris.*
Burmeister, Handb. d. Ent., ii, p. 242, 1835. [of *Nabis*).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840 (as type

triops (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2179, 1788, [*Cimex.*

sexstriatus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2182, [1788, *Cimex.*

denigratus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2194,

heraldicus (Schrank), Fauna Boica, p. 83, 1801, *Cimex.* [*Cimex.*

crassipes (Schrank), Fauna Boica, p. 99, 1801, *Cimex.*

pallens (Panzer) *in* Schaeffer, Icones Ins., p. 163, 1804, *Reduvius.*

cinereus Olivier, Encyc. Meth., vii, p. 140, 1811.

Localities: Quebec, Ont., Me., Mass., Conn., N. Y., N. J., Pa., Md., N. C., Ga., Mich., Wis., Neb., Dak., Kan., Colo., Utah, Texas, N. Mex., Ariz., Calif. (Palaearctic, Mexico.)

a. var. **punctatus** Costa

Costa, Cimic. Reg. Neap., Cent., ii, p. 14, 1843.

Champion, Biol. Centr. Am., Heter., ii, p. 305, 1900, *Coriscus.*

Oshanin, Verz. Palae. Hemip., i, p. 576, 1908.

?agilis Spinola, Essai sur les Hemip., p. 106, 1837.

Localities: "Nearctic." (Europe, Mexico, Guatemala.)

[**Nabis perennis** Fitch MS]

Walker, Cat. Heter., vii, p. 143, 1873.

Locality: N. Y.

830. **Nabis roseipennis** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 89, 1872.

Stål, Enum. Hemip., iii, p. 113, 1873, *Coriscus.*

Reuter, Revue d'Ent., ix, p. 308, 1890.

Reuter, Mém. Soc. Ent. Belg., xv, p. 118, 1908, *Reduviolus.*

punctipes Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 89, 1872.

Stål, Enum. Hemip., iii, p. 113, 1873, *Coriscus.*

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 326, 1876, *Coriscus.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Coriscus.*

Gillette and Baker, Hemip. Colo., p. 59, 1895, *Coriscus.*

†*inscriptus* (Van Duzee), Can. Ent., xxi, p. 5, 1889, *Coriscus.* [*olus.*

[*rudis* Uhler MS], Reuter, Mém. Soc. Ent. Belg., xv, p. 118, 1908, *Reduvi-*

Localities: Ont., N. Y., N. J., Pa., Del., D. C., Ohio, Wis., Ia., Neb., Colo.

831. **Nabis rufusculus** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 92, 1872.

Stål Enum. Hemip., iii, p. 113, 1873, *Coriscus.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 183, 1894, *Coriscus.*

Gillette and Baker, Hemip. Colo., p. 59, 1895, *Coriscus.*

Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Coriscus.*

Reuter, Mém. Soc. Ent. Belg., xv, p. 119, 1908, *Reduviolus.*

assimilis (Uhler), Proc. Bost. Soc. Nat. Hist., xix, p. 422, 1878, *Coriscus.*

chewkeanus (Kirkaldy), Wien. Ent. Zeit., xx, p. 224, 1901, *Reduviolus.*

[(For *cherokeanus.*)

Localities: Ont., Me., Mass., N. Y., Md., D. C., Va., N. C., Ill., Wis., Colo.

832. **Nabis inscriptus** (Kirby)

Kirby *in* Richardson's Fauna Bor. Am., iv, p. 280, pl. 6, fig. 7, 1857, *Reduvi-*

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872. [*olus.*

Stål, Enum. Hemip., iii, p. 113, 1873, *Coriscus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876, *Coriscus.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 364, 1893, *Coriscus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Coriscus.*
Van Duzee, Can. Ent., xxxviii, p. 407, 1906, *Coriscus.*
Reuter, Mém. Soc. Ent. Belg., xv, p. 120, 1908, *Reduviolus.*
Oshanin, Verz. Palae. Hemip., i, p. 578, 1908.
Reuter, Of. Finska Vet. Soc. Forh., lv, Afd. A, No. 14, p. 82, 1913, *Reduviolus.*
boreellus Reuter, Meddel. Of. Soc. p. Fauna Flora Fenn., xi, p. 165, 1884.
Localities: Ont., Me., N. Y., Br. Col.

833. **Nabis kalmii** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 91, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 325, 1876, *Coriscus.*
Gillette and Baker, Hemip. Colo., p. 59, 1895, *Coriscus.*
Kirkaldy, Wien. Ent. Zeit., xx, p. 225, 1901, *Reduviolus.*
Reuter, Mém. Soc. Ent. Belg., xv, p. 119, 1908, *Reduviolus.*
Localities: Wis., Mo., Colo., Neb.

Genus **Metatropiphorus**
Haplotype *belfragii* Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 93, 1872.
Stål, Enum. Hemip., iii, pp. 110, 111, 1873.

834. **Metatropiphorus belfragii** Reut.

Reuter, Of. Vet. Akad. Forh., xxix, No. 6, p. 93, 1872.
Stål, Enum. Hemip., iii, p. 111, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 95, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 25, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: Fla., Texas. (West Indies.)

TRIBE *GORPINI* (Reut.)

Reuter, Ann. Soc. Ent. Belg., liii, p. 423, 1909, Div. *Gorparia.*

Genus **Carthasis** Champ.
Haplotype *rufonotatus* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 305, 1900.
Reuter, Mém. Soc. Ent. Belg., xv, p. 97, 1908.
Orthometrops Uhler, Proc. Ent. Soc. Wash., iv, p. 508, 1901 (type *decorata*).

835. **Carthasis decoratus** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., iv, p. 509, 1901, *Orthometrops.*
contrarius Reuter, Mém. Soc. Ent. Belg., xv, p. 97, 1908.
Localities: N. Y., N. J., Pa., Md.

SUPERFAMILY *CIMICOIDEAE* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 68, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 19, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.
Miridae Kirkaldy, Fauna Hawai., iii, p. 125, 1902.

PHALANX *CIMICIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 70, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.
Acanthiidae Reuter, Of. Vet. Akad. Forh., xxviii, p. 557, 1871 (Family).
Cimicidae, Stål, Enum. Hemip., iii, p. 101, 1873 (Family).
Anthocoridae Reuter, Monog. Anthroc., p. 3, 1884.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 237, 1896 (as Family).

Family CIMICIDAE (Latr.)

Latreille, Hist. Nat. Crust. Ins., xii, p. 235, 1804, *Cimicides* (part).
Leach, Brewster's Edinbg. Encyc., ix, p. 122, 1815, *Cimicides*, I, *Cimicida*.
Laporte, Essai Classif. Syst. Hémip., p. 51, 1832, *Cimicites* (part).
Spinola, Essai sur les Hémip., p. 170, 1837, *Cimicites*.
Westwood, Intr. Mod. Classif. Ins., ii, p. 474, Synop., p. 120, 1840, *Cimicidae*.
Spinola, Tavola Sinot., pp. 38, 39, 1850, Subfam. *Cimicoideae*.
Fieber, Genera Hydroc., p. 9, 1851, Family *Cimicidea*.
Stål, Enum. Hemip., iii, p. 103, 1873, Subfam. *Cimicina*.
Reuter, Monog. Anthroc., p. 3, 1884, *Cimicidae*.
Uhler, Stand. Nat. Hist., ii, p. 285, 1884.
Puton, Cat. Hémip. Palae., edn. 3, p. 42, 1886, Tribe *Cimicini*.
Provancher, Pet. Faune Ent. Can., iii, p. 169, 1887.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 235, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 336, 1900.
Distant, Fauna Br. Ind., Rhyn., ii, p. 410, 1904.
Oshanin, Verz. Palae. Hemip., i, p. 609, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 2, 71, 1910.
Banks, Cat. Nearc. Hemip., p. 25, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 17, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 53, 1912.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.
Reuter, Zeit. Wissens., Insek., ix, p. 251, 1913.
Acanthilles Latreille, Genera Crust. Ins., iii, p. 135, 1807 (part).
Lecticoles Amyot and Serville, Hémip., pp. xli, 309, 1843 (as tribe).
Acanthiidae Costa, Cimic. Neap., Cent., iii, p. 67, 1852.
Dohrn, Cat. Hemip., p. 44, 1859.
Fieber, Europ. Hemip., p. 24, 1860, *Acanthiadae*.
Stål, Hemip. Afr., iii, p. 24, 1865.
Cacodmidae Kirkaldy, Bul. Liverp. Mus., ii, p. 45, 1899.
Kirkaldy, Fauna Hawai., iii, p. 129, 1902, *Cacodminae*.
Clinocoridae Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 147, 1906.
Bueno, Ent. News, xviii, p. 433, 1907.
Kirkaldy, Can. Ent., xl, p. 361, 1908.
Reuter, Ent. Mo. Mag., xix, p. 27, 1908, *Clinocorina*.

Subfamily CIMICINAE Van D.

Van Duzee, Check List Hemip., p. 33, 1916.
Cacodminae Jordan and Rothschilds, Novit. Zool., xix, p. 352, 1912.
Reuter, Zeit. f. Wissens. Insek., ix, p. 254, 1913.

Genus **Cimex** Linn.
Logotype *lectularius* Linn.

Linnaeus, Syst. Nat., edn. 10, i, p. 441, 1758 (Sec. "A," *Apteri*).
Geoffroy, Hist. Abreg. Ins., i, p. 430, 1762 (Fam. 1, *Apterus*).
Scopoli, Ent. Carn., p. 120, 1763 (Sec. 2, *Cucullati*).
Brunnich, Entomologia, p. 82, 1764 (*lectularius* only species).
Goeze, Ent. Beytr., ii, p. 177, 1778 (Sec. 1, for *lectularius*, full bibliography).
Fourcroy, Ent. Paris., p. 194, 1785 (Family I, *lectularius* first species).
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2123, 1788.
Thunberg, Genera Ins., edn. 2, p. 33, 1791 (no species mentioned).
Olivier, Encyc. Meth., iv, p. 25, 1789.
Lamarck, Syst. Anim. s. Vert., p. 293, 1801 (names *lectularius* as type).
Latreille, Hist. Nat. Crust. Ins., iii, p. 247, 1802 (*lectularius* only sp.).
Latreille, Hist. Nat. Crust. Ins., xii, p. 254, 1804.
Latreille, Genera Crust. Ins., iii, p. 136, 1807.
Latreille, Consid. Génl., pp. 257, 433, 1810 (names *lectularius* type).
Leach, Brewster's Edinbg. Encyc., ix, p. 122, 1915 (for *lectularius*).
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 201, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 51, 1832 (names *lectularius* type).
Hahn, Wanz. Ins., iii, p. 17, 1835.
Herrich–Schaeffer, Nomen. Ent., i, pp. 37, 61, 97, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 330, 1835.
Spinola, Essai sur les Hémip., p. 170, 1837.
Blanchard, Hist. des Ins., Hémip., p. 109, 1840. [*larius* type).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 120, 1840 (names *lectu-*
Guerin, Icon. Règne Animal., p. 350, (*lectularius* only species).
Spinola, Tavola Sinot., p. 39, 1850.
Stål, Enum. Hemip., iii, pp. 103, 104, 1873.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 235, 1896.
Blanford, Nature, lxix, p. 200, 1903; p. 464, 1904.
Distant, Fauna Br. Ind., Rhyn., ii, p. 410, 1904.
Horvath, Ann. Mus. Natl. Hung., x, p. 257, 258, 1912.
Reuter, Zeit. Wissens. Insekt., ix, p. 305, 1913.
Van Duzee, Can. Ent., xlvi, p. 385, 1914.

Acanthia Fabricius, Syst. Ent., p. 693, 1775 (*lectularius* first species).
Fabricius, Ent. Syst., iv, p. 67, No. 1, 1794.
Walckenaer, Faune Paris., ii, p. 336, 1802.
Fabricius, Syst. Rhyng., p. 112, 1803 (indicates *lectularius* as type).
Fallén, Monog. Cimic. Suec., p. 27, 1807.
Wolff, Icon. Cimic., v, p. vii, 1811.
Fallén, Hemip. Suec., Cimic., p. 140, 1829.
Burmeister, Handb. d. Ent., ii, p. 252, 1835.
Amyot and Serville, Hémip., p. 310, 1843.
Flor, Rhyn. Livl., i, p. 671, 1860.
Fieber, Europ. Hemip., pp. 37, 135, 1861.
Stål, Hemip. Afr., ii, p. 24, 1865.
Douglas, Ent. Mo. Mag., xix, p. 202, 1883.

Clinocoris Fallén, Hemip. Suec., Cimic., p. 141, 1829 (suggested as a
Kirkaldy, Nature, lxix, p. 464, 1904. [better name).
Kirkaldy, Entomologist, xxxviii, p. 77, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 147, 1906.
Reuter, Ent. Mo. Mag., xix, p. 27, 1908.

Klinophilos Kirkaldy, Entomologist, xxxii, p. 219, 1899 (type *lectularius*).
Kirkaldy, Fauna Hawai., iii, p. 129, 1902.

836. **Cimex lectularius** Linn.

Linnaeus, Syst. Nat., edn. 10, p. 441, 1758.
Sulzer, Kennz. d. Ins., p. 102, Cimex No. i, pl. 11, fig. 69, 1761 (no specific
Geoffroy, Hist. Abreg. Ins., i, p. 434, No. 1, 1762 (no specific name). [name).
Scopoli, Ent. Carn., p. 121, 1763.
Brunnich, Entomologia, p. 82, 1764.
De Geer, Mémoires, iii, p. 296, pl. 17, figs. 10–15, 1773.
Fabricius, Syst. Ent., p. 693, 1775, *Acanthia.*
Goeze, Ent. Beytr., ii, p. 180, 1778.
Schrank, Enum. Ins. Austr., p. 262, 1781.
Retzius, Gen. Spec. Ins., p. 88, 1783.
Fourcroy, Ent. Paris., p. 195, 1785.
Fabricius, Ent. Syst., iv, p. 67, 1794, *Acanthia.*
Lamarck, Syst. Anim. s. Vert., p. 293, 1801.
Schrank, Fauna Boica, ii, p. 62, 1801, *Acanthia.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 247, 1802 (mentioned as example).
Walckenaer, Faune Paris., ii, p. 337, 1802, *Acanthia.*
Fabricius, Syst. Rhyng., p. 112, 1803, *Acanthia.*
Latreille, Hist. Nat. Crust. Ins., xlii, p. 255, 1804.
Wolff, Icon. Cimic., iv, p. 127, fig. 121, 1804, *Acanthia.*
Latreille, Genera Crust. Ins., iii, p. 137, 1807.
Fallén, Monog. Cimic. Suec., p. 27, 1807, *Acanthia.*
Zetterstedt, Fauna Lapp., p. 485, 1828, *Acanthia.*
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 201, 1829.
Fallén, Hemip. Suec., Cimic., p. 141, 1829, *Acanthia.*
Hahn, Wanz. Ins., iii, p. 17, fig. 242, 1835.
Burmeister, Handb. d. Ent., ii, p. 253, 1835, *Acanthia.*
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 165, 1836.
Spinola, Essai sur les Hémip., p. 170, 1837.
Blanchard, Hist. Nat. des Ins., Hémip., p. 110, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, p. 475, 1840.
Zetterstedt, Ins. Lapp., column 271, 1840, *Acanthia.*
Amyot and Serville, Hémip., p. 313, 1843, *Acanthia.*
Flor, Rhyn. Livl., i, p. 672, 1860, *Acanthia.*
Fieber, Europ. Hemip., p. 135, 1861, *Acanthia.*
Douglas and Scott, Brit. Hemip., p. 510, pl. 17, fig. 7, 1865, *Acanthia.*
Walker, Cat. Heter., vii, p. 43, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 427, 1877, *Acanthia.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1329, *Acanthia.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 417, 1878, *Acanthia.*
Berg, Hemip. Argent., p. 133, 1879.
Provancher, Pet. Faune Ent. Can., iii, p. 170, 1887.
Reuter, Rev. Synon., p. 319, No. 300, 1888.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894, *Acanthia.*
Marlatt, U. S. Dept. Agr., Div. Ent., Bul. N. S., iv, p. 32, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 336, 1900.
Kirkaldy, Fauna Hawai., iii, p. 129, 1902, *Klinophilos.*
Girault, Psyche, xii, p. 61, 1905, *Clinocoris* (life history).
Bueno and Brimley, Ent. News, xviii, p. 433, 1907, *Clinocoris.*

Bueno, Jl. N. Y. Ent. Soc., xvi, p. 236, 1900, *Clinocoris.*
Horvath, Ann. Mus. Natl. Hung., viii, p. 362, 1910, *Clinocoris.*
Horvath, Ann. Mus. Natl. Hung., x, p. 258, 1912.
Reuter, Zeit. f. Wissens. Insekt., ix, p. 325, 1913 (full account).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914 (noticed).
Parshley, Psyche, xxi, p. 143, 1914, *Clinocoris.* [linnaean).
domesticus Moufflet, Ins. Minim, Anim. Theatrum, p. 629, 1634, pre-
Localities: All states.

837. **Cimex pilosellus** (Horv.)

Horvath, Ent. Mo. Mag., xxi, p. 12, 1910, *Clinocoris.*
Horvath, Ann. Mus. Natl. Hung., x, p. 259, 1912.
†*pipistrelli* Chittenden, U. S. Dept. Agr., Div. Ent., Bul. N. S. xviii, p. 97,
Zimmer, Ent. News, xxv, p. 418, 1914. [1898.
Localities: N. Y., N. C., Neb., Colo., Ariz., Calif., Br. Col.

Genus **Oeciacus** Stål
Orthotype *hirundinis* (Jen.)

Stål, Enum. Hemip., iii, p. 104, 1873.
Horvath, Ann. Mus. Natl. Hung., x, pp. 257, 260, 1912.
Reuter, Zeit. f. Wissens. Insekt., ix, pp. 254, 303, 1913.

838. **Oeciacus vicarius** Horv.

Horvath, Ann. Mus. Natl. Hung., x, p. 261, 1912.
†*hirundinis* (Gillette and Baker), Hemip. Colo., p. 56, 1895, *Acanthia.*
Parshley, Psyche, xxi, p. 143, 1914, *Clinocoris.*
Localities: Me., N. H., N. Y., Ia., Colo., Calif. (Mexico.)

Subfamily HAEMATOSIPHONINAE J. & R.

Jordan and Rothschild, Novit. Zool., xix, p. 352, 1912.
Reuter, Zeit. f. Wissens. Insekt., ix, p. 362, 1913.

Genus **Haematosiphon** Champ.
Haplotype *inodora* (Duges)

Champion, Biol. Centr. Am., Heter., ii, p. 337, 1900.
Horvath, Ann. Mus. Natl. Hung., x, pp. 257, 261, 1912.

839. **Haematosiphon inodorus** (Duges)

Duges, La Naturaleza, Ser. 2, ii, p. 169, pl. 8, figs. 1–7, 1892, *Acanthia.*
Townsend, Proc. Ent. Soc. Wash., iii, p. 40, 1894, *Acanthia.*
Champion, Biol. Centr. Am., Heter., ii, p. 337, pl. 20, fig. 1, 1900.
Horvath, Ann. Mus. Natl. Hung., x, p. 262, 1912.
Localities: N. Mex., Texas. (Mexico.)

Family ANTHOCORIDAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. xxxvii, 262, 1843, *Anthocorides.*
Fieber, Genera Hydroc., p. 9, 1851, *Anthocoridea.*
Dallas, List of Hemip., ii, p. 587, 1852, *Anthocoridae.*
Costa, Cimic. Neap. Cent., iii, p. 69, 1852, Subfam. *Anthocorini.*
Dohrn, Cat. Hemip., p. 36, 1859.
Flor, Rhyn. Livl., i, p. 638, 1860, *Anthocoridea.*

Fieber, Europ. Hemip., pp. 25, 37, 135, 1861.
Stål, Hemip. Afr., iii, p. 23, 1865, *Anthocorida.*
Douglas and Scott, Brit. Hemip., pp. 36, 490, 1865.
Reuter, Of. Vet. Akad. Forh., xxxviii, p. 557, 1871, *Anthocorina.*
Stål, Enum. Hemip., iii, p. 101, 1873, *Anthocorina.*
Reuter, Monog. Anthoc., p. 3, 1884, *Anthocorina.*
Uhler, Check List, p. 21, 1886, *Anthocorina.*
Puton, Cat. Hémip. Palae., edn. 3, p. 43, 1886, *Anthocorini* (tribe).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 237, 1896 (as subfamily).
Champion, Biol. Centr. Am., Heter., ii, p. 306, 1900, *Anthocorinae.*
Kirkaldy, Fauna Hawai., iii, p. 125, 1902, *Anthocorinae.*
Kirkaldy, Can. Ent., xl, p. 361, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 613, 1909.
Banks, Cat. Nearc. Hemip., p. 23, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 18, 1911.
Oshanin, Kat. Palae. Hemip., p. 56, 1912.

Subfamily **LYCTOCORINAE** (Reut.)

Reuter, Monog. Anthoc., p. 4, 1884, Div. *Lyctocoraria.*
Champion, Biol. Centr. Am., Heter., ii, p. 306, 1900, Div. *Lyctocoraria.*
Oshanin, Verz. Palae. Hemip., i, p. 613, 1909, Div. *Lyctocoraria.*
Oshanin, Kat. Palae. Hemip., p. 58, 1912, Tribe *Lyctocoraria.*

Genus **Lyctocoris** Hahn

Logotype *domesticus* Hahn = *campestris* (Fabr.)

Hahn, Wanz. Ins., iii, p. 19, 1835.
Fieber, Wien. Ent. Monat., iv, p. 264, 1860.
Flor, Rhyn. Livl., i, p. 665, 1860 (subgen. of *Xylocoris*).
Fieber, Europ. Hemip., pp. 38, 138, 1861.
Douglas and Scott, Brit. Hemip., p. 498, 1865.
Reuter, Of. Vet. Akad. Forh., xxvii, p. 409, 1871.
Reuter, Monog. Anthoc., pp. 5, 6, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 306, 1900. [type *canadensis* Prov.)
Tetraphleps Provancher, Pet. Faune Ent. Can., iii, p. 90, 1886. (Haplo-

Subgenus **Lyctocoris** Hahn

Reuter, Monog. Anthoc., pp. 6, 7, 1884.

840. **Lyctocoris campestris** (Fabr.)

Fabricius, Ent. Syst., iv, p. 75, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 116, 1803, *Salda.*
Stål, Hemip. Fabr., i, p. 90, 1868, *Anthocoris.*
Reuter, Of. Vet. Akad. Forh., xxviii, p. 409, 1871.
Reuter, Monog. Anthoc., p. 7, 1884.
Reuter, Rev. Synon., p. 312, No. 295, 1888.
Gillette and Baker, Hemip. Colo., p. 55, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 307, 1900.
pallidus (Rossi), Mant. Ins., ii, p. 55, 1794, *Cimex.*
arvicola (Latreille), Hist. Nat. Crust. Ins., xii, p. 220, 1804, *Lygaeus.*
pallens (Fallén), Hemip. Suec., Cimic., p. 103, 1829, *Phytocoris.*

domesticus (Schilling), Isis, p. 738, 1834, *Cimex.*
Fieber, Europ. Hemip., p. 139, 1861.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871; xix, p. 416, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
‖*domesticus* Hahn, Wanz. Ins., iii, p. 20, fig. 243, 1835 (as new).
Herrich-Schaeffer, Wanz. Ins., ix, p. 228, 1853, *Anthocoris.*
Flor, Rhyn. Livl., i, p. 665, 1860.
bicuspis (Herrich-Schaeffer), Nomen. Ent., i, p. 60, 1835, *Anthocoris.*
Herrich-Schaeffer, Wanz. Ins., Verz., p. 12, 1853, *Anthocoris.*
dimidiata (Spinola), Essai sur les Hémip., p. 236, 1837 (1840), *Xylocoris.*
parisiensis (Amyot and Serville), Hémip., p. 264, 1843, *Xylocoris.*
Dallas, List of Hemip., ii, p. 589, 1852, *Xylocoris.*
americanus (Dallas), List of Hemip., ii, p. 589, 1852, *Xylocoris.*
Reuter, Monog. Anthoc., p. 166, 1884, *Xylocoris.*
distinguendus Flor, Rhyn. Livl., i, p. 666, 1860 (as variety).
pictus Fieber, Europ. Hemip., p. 138, 1861 (as variety).
currax (Garbiglietti), Bul. Soc. Ent. Ital., i, p. 123, 1869, *Cardiastethus.*
fitchii Reuter, Of. Vet. Akad. Forh., xxviii, p. 557, 1871.
Parshley, Psyche, xxi, p. 143, 1914.
Localities: Quebec, Ont., Me., N. Y., Pa., N. C., Ill., Wis., Ala., Texas, Colo.

841. **Lyctocoris canadensis** (Prov.)
Provancher, Pet. Faune Ent. Can., iii, p. 90, 1886, *Tetraphleps.*
Van Duzee, Can. Ent., xliv, p. 320, 1912.
Localities: Quebec, Ont.

Subgenus **Dolichomerium** Kirk.
Logotype *elongatus* Reut.

Kirkaldy, Entomologist, xxxiii, p. 242, 1900 (n.n. for *Dolichomerus* Reut.).
‖*Dolichomerus* Reuter, Of. Vet. Akad. Forh., xxviii, p. 557, 1871.
Reuter, Monog. Anthoc., p. 10, 1884.

842. **Lyctocoris elongatus** (Reut.)
Reuter, Of. Vet. Akad. Forh., xxviii, p. 558, 1871, *Dolichomerus.*
Stål, Enum. Hemip., iii, p. 101, 1873, *Dolichomerus* (record only).
Reuter, Monog. Anthoc., p. 11, 1884, *Dolichomerus.*
Localities: S. C., Idaho.

843. **Lyctocoris stålii** (Reut.)
Reuter, Of. Vet. Akad. Forh., xxviii, p. 558, 1871, *Dolichomerus.*
Stål, Enum. Hemip., iii, p. 101, 1872, *Dolichomerus* (record only).
Reuter, Monog. Anthoc., p. 10, 1884, *Dolichomerus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894, *Dolichomerus.*
reuteri B. White, Ent. Mo. Mag., xvi, p. 146, 1879, *Dolichomerus.*
Localities: N. Y., N. C., S. C., Fla., Calif., Vanc. Isd.

Genus **Lasiochilus** Reut.
Haplotype *pallidulus* Reut.

Reuter, Of. Vet. Akad. Forh., xxviii, p. 562, 1871.
Reuter, Monog. Anthoc., p. 13, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 307, 1900.

Subgenus **Lasiochilus** Reut.

Reuter, Monog. Anthoc., p. 15, 1884.

844. **Lasiochilus pallidulus** Reut.

Reuter, Of. Vet. Akad. Forh., xxviii, p. 562, 1871.
Stål, Enum. Hemip., iii, p. 102, 1873 (record only).
Reuter, Monog. Anthoc., p. 17, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 198.
Champion, Biol. Centr. Am., Heter., ii, p. 309, 1900.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Localities: S. C., Fla., Texas. (West Indies, Mexico.)

Subgenus **Dilasia** Reut.
Haplotype *fuscula* Reut.

Reuter, Of. Vet. Akad. Forh., xxviii, p. 563, 1871.
Reuter, Monog. Anthoc., p. 20, 1884.

845. **Lasiochilus fusculus** Reut.

Reuter, Of. Vet. Akad. Forh., xxviii, p. 563, 1871.
Stål, Enum. Hemip., iii, p. 101, 1873.
Reuter, Monog. Anthoc., p. 22, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 201, *Lasiochilus*.
Localities: N. Y., S. C., Texas.

Genus **Xylocoris** Duf.
Haplotype *rufipennis* Duf. = *cursitans* (Fall.)

Dufour, Ann. Sci. Nat. Paris, xxii, p. 423, 1831 (*rufipennis* only species).
Dufour, Ann. Soc. Ent. Fr., Ser. 1, ii, p. 106, 1833 (adds *ater* n.sp.).
Burmeister, Handb. d. Ent., ii, p. 289, 1835.
Spinola, Essai sur les Hémip., p. 235, 1837 (1840).
Amyot and Serville, Hémip., p. 263, 1843.
Herrich-Schaeffer, Wanz. Ins., ix, p. 170, 1853.
Stål, Hemip. Afr., iii, p. 23, 1865.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 119, 1906.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 25, 1912.
Piezostethus Fieber, Wien. Ent. Monat., iv, p. 265, 1860.
Fieber, Europ. Hemip., pp. 38, 139, 1861.
Douglas and Scott, Brit. Hemip., p. 500, 1865.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 410, 1871.
Reuter, Monog. Anthoc., p. 29, 1884.
Uhler, Check List, p. 21, 1886.
Champion, Biol. Centr. Am., Heter., ii, p. 315, 1900.
Oshanin, Verz. Palae. Hemip., i, p. 615, 1909.
Banks, Cat. Neare. Hemip., p. 24, 1910.
‡*Piestostethus* Marshall, Ent. Mo. Mag., iv, p. 281, 1868.

Subgenus **Xylocoris** Duf.

Piezostethus Reuter, Monog. Anthoc., pp. 31, 36, 1884.

846. **Xylocoris galactinus** (Fieb.)

Fieber, Weit. Beitr., i, p. 107, 1836, *Anthocoris*.
Fieber, Europ. Hemip., p. 139, 1861, *Piezostethus*.

Douglas and Scott, Brit. Hemip., p. 500, pl. 17, fig. 2, 1865, *Piezostethus.*
Reuter, Of. Vet. Akad. Forh., xxviii, p. 411, 1871, *Piezostethus.*
Reuter, Monog. Anthoc., p. 36, 1884, *Piezostethus.*
Champion, Biol. Centr. Am., Heter., ii, p. 315, 1900, *Piezostethus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Piezostethus.*
albipennis Herrich-Schaeffer, Wanz. Ins., ix, p. 171, fig. 971, 1853 (*ater* Baerensprung, Berl. Ent. Zeit., ii, p. 194, 1858. [by error on the plate).
Flor, Rhyn. Livl., i, p. 669, 1860.
Localities: N. Y., Ill., Ga., Fla. (Centr. Am., Europe.)

847. **Xylocoris sordidus** (Reut.)

Reuter, Of. Vet. Akad. Forh., xxviii, p. 560, 1871, *Piezostethus.*
Stål, Enum. Hemip., iii, p. 101, 1873, *Piezostethus.*
Reuter, Monog. Anthoc., p. 37, 1884, *Piezostethus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 201, *Piezostethus.*
Champion, Biol. Centr. Am., Heter., ii, p. 316, 1900, *Piezostethus.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 236, 1908, *Piezostethus.*
Smith, Cat. Ins. N. J., edn. 3, p. 158, 1910, *Piezostethus.*
Localities: N. Y., Pa., Texas, N. Mex.

a. var. **binotatus** (Reut.)

Reuter, Of. Vet. Akad. Forh., xxviii, p. 560, 1871, *Piezostethus* (as distinct [species).
Reuter, Monog. Anthoc., p. 37, 1884, *Piezostethus* (as variety).
Locality: S. C.

848. **Xylocoris flaccidus** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914, *Piezostethus.*
Locality: Calif.

849. **Xylocoris vicarius** (Reut.)

Reuter, Monog. Anthoc., p. 45, 1884, *Piezostethus.*
Locality: "Am. Sept."

850. **Xylocoris californicus** (Reut.)

Reuter, Monog. Anthoc., p. 46, 1884, *Piezostethus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 380, 1893, *Piezostethus.*
Uhler, Proc. U. S. Natl. Mus., xvii, p. 363, 1904, *Piezostethus.*
Localities: Utah, N. Mex., Calif.

851. **Xylocoris cursitans** (Fall.)

Fallén, Monog. Cimic. Suec., p. 74, 1807, *Lygaeus.*
Fallén, Hemip. Suec. Cimic., p. 69, 1829, *Anthocoris.*
Sahlberg, Monog. Geoc. Fenn., p. 80, 1848.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 411, 1871, *Piezostethus.*
Reuter, Monog. Anthoc., p. 43, 1884, *Piezostethus.*
rufipennis Dufour, Ann. Soc. Ent. Fr., ii, p. 106, 1831.
Flor, Rhyn. Livl., i, p. 668, 1860.
Fieber, Europ. Hemip., p. 139, 1861, *Piezostethus.*
Douglas and Scott, Brit. Hemip., p. 501, 1865, *Piezostethus.*
corticalis (Hahn), Wanz. Ins., iii, p. 21, fig. 244, 1835, *Lyctocoris.*
bicolor Scholz, Prod. Rhyn. Schles., p. 116, 1846.
Fieber, Europ. Hemip., p. 139, 1861, *Piezostethus.*
latior Mulsant and Rey, Ann. Soc. Linn. Lyons, p. 160, 1852.
Localities: N. Y., N. J. (Palaearctic).

Genus **Asthenidea** Reut.
Logotype *temnostethoides* Reut.

Reuter, Monog. Anthoc., p. 48, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 317, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 120, 1906 (type fixation).

852. **Asthenidea temnostethoides** Reut.

Reuter, Monog. Anthoc., p. 51, 1884.
Locality: Ill.

Subfamily ANTHOCORINAE (Reut.)

Reuter, Monog. Anthoc., pp. 4, 55, 1884, Div. *Anthocoraria.*
Champion, Biol. Centr. Am., Heter., ii, p. 319, 1900, Div. *Anthocoraria.*
Oshanin, Verz. Palae. Hemip., i, p. 613, 1909, Div. *Anthocoraria.*
Oshanin, Kat. Palae. Hemip., p. 56, 1912, Tribe *Anthocoraria.*

Genus **Anthocoris** Fall.
Type *nemorum* Linn. = *sylvestris* (Linn.)

Fallén, Spec. Nova Hemip. Disp. Meth., p. 9, 1814.
Fallén, Hemip. Suec., Cimic., p. 65, 1829.
Herrich-Schaeffer, Nomen. Ent., i, pp. 37, 60, 1835.
Burmeister, Handb. d. Ent., ii, p. 288, 1835.
Spinola, Essai sur les Hémip., p. 237, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 133, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (names *nemorum*
Amyot and Serville, Hémip., p. 262, 1843. [type).
Spinola, Tavola Sinot., p. 37, 1850.
Dallas, List of Hemip., ii, p. 588, 1852.
Herrich-Schaeffer, Wanz. Ins., ix, p. 218, 1853.
Fieber, Wien. Ent. Monat., iv, p. 263, 1860.
Flor, Rhyn. Livl., i, p. 643, 1860.
Fieber, Europ. Hemip., pp. 38, 136, 1861.
Douglas and Scott, Brit. Hemip., p. 494, 1865.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 419, 1871.
Reuter, Monog. Anthoc., pp. 56, 66, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 89, 1886.
Edwards, Ent. Mo. Mag., xxvi, p. 236, 1890 (British species only).
Champion, Biol. Centr. Am., Heter., ii, p. 323, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 120, 1906.
Distant, Fauna Br. Ind., Rhyn., v, p. 298, 1910 (cites *nemorum* as type).
[*Hylophila* Kirby MS] Stephens, Syst. Cat. Brit. Ins., p. 344, 1829.
Rhynarius Hahn, Wanz. Ins., i, p. 104, 1831 (type *sylvestris* Linn.). [Lap.).
Leptomeris Laporte, Essai Classif. Syst. Hémip., p. 10, 1832 (type *picta*
Phyllocoris Costa, Atti R. Inst. Incorr. Sc. Nap., vii, p. 264, 1847 (type
Reuter, Monog. Anthoc., p. 166, 1884. [*nemorum* Linn.).

853. **Anthocoris nigripes** Reut.

Reuter, Monog. Anthoc., p. 69, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 324, 1900.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904.
Localities: N. Mex. (Mexico.)

854. **Anthocoris fulvipennis** Reut.

Reuter, Monog. Anthoc., p. 69, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 324, 1900.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 363, 1904.
Localities: N. Mex., Calif. (Mexico.)

855. **Anthocoris albiger** Reut.

Reuter, Monog. Anthoc., p. 70, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 323, 1900.
Localities: N. Mex. (Mexico.)

856. **Anthocoris bakeri** Popp.

Poppius, Ann. Soc. Ent. Belg., lvii, p. 14, 1913.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.

a. var. **ornatus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 14, 1914.
Locality: Calif.

857. **Anthocoris whitei** Reut.

Reuter, Monog. Anthoc., p. 74, 1884.
Locality: Calif.

859. **Anthocoris antevolens** White

White (B.), Ent. Mo. Mag., xvi, p. 146, 1879.
Reuter, Monog. Anthoc., p. 77, 1884.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894.
Gillette and Baker, Hemip. Colo., p. 55, 1895.
Localities: Colo., Mont., Calif.

860. **Anthocoris borealis** Dall.

Dallas, List of Hemip., ii, p. 588, 1852.
Reuter, Monog. Anthoc., p. 165, 1884 (copies description).
†*musculus* Provancher, Pet. Faune Ent. Can., iii, p. 89, 1886.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
Localities: Quebec, Ont., N. H., N. Y.

861. **Anthocoris musculus** (Say)

Say, Heter. N. Harm., p. 32, 1832; Fitch reprint, p. 802; Compl. Writ., i, p. [357, *Reduvius.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 321, 1876; iii, p. 427, 1877.
Reuter, Monog. Anthoc., p. 164, 1884.
Gillette and Baker, Hemip. Colo., p. 55, 1895.
Parshley, Psyche, xxi, p. 143, 1914.
Localities: Me., Colo.

862. **Anthocoris melanocerus** Reut.

Reuter, Monog. Anthoc., p. 81, 1884.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
Localities: Colo., Utah, Br. Col., Calif.

Genus **Triphleps** Fieb.
Type *niger* Wolff

Fieber, Wien. Ent. Monat., iv, p. 266, 1860.
Fieber, Europ. Hemip., pp. 39, 140, 1861.

Douglas and Scott, Brit. Hemip., p. 502, 1865.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 414, 1871.
Reuter, Monog. Anthoc., pp. 57, 89, 191, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 91, 1886.
Champion, Biol. Centr. Am., Heter., ii, p. 326, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 120, 1906.
Distant, Fauna Br. Ind., Rhyn., iii, p. 8, 1906 (names *laevigatus* Fieb. type).

863. **Triphleps niger** (Wolff)

Wolff, Icon. Cimic., v, p. 167, fig. 161, 1811, *Salda.*
Fieber, Europ. Hemip., p. 140, 1861.
Douglas and Scott, Brit. Hemip., p. 502, 1865.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 415, 1871.
Reuter, Monog. Anthoc., p. 92, 1884.
obscurus (Hahn), Wans. Ins., i, p. 110, fig. 59, 1831, *Rhynarius.*
compressicornis Sahlbg., Monog. Geoc., p. 77, 1848.
crassicornis Mulsant, Ann. Soc. Linn. Lyons, p. 161, 1857.
†*fruticum* Flor, Rhyn. Livl., i, p. 653, 1860 (part).
neglectus Garbiglietti, Bul. Soc. Ent. Ital., i, p. 92, 1860.
ullrichi Fieber, Europ. Hemip., p. 140, 1861 (variety).
Localities: Calif. (Palaearctic).

864. **Triphleps insidiosus** (Say)

Say, Heter. N. Harm., p. 32, 1832; Fitch reprint, p. 801; Compl. Writ., i, p. [357, *Reduvius.*
Stål, Enum. Hemip., iii, p. 102, 1873.
Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 106, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 320, 1876; iii, p. 427, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 417, 1878.
Reuter, Monog. Anthoc., p. 97, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 91, 1886.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
Gillette and Baker, Hemip. Colo., p. 55, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 327, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 26, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 158, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Malloch, Ent. News, xxvii, p. 200, 1916 (note on biting habit).
pseudo-chinche (Fitch), 2d Rept., Trans. N. Y. St. Agr. Soc., xv, p. 527, [1856 (reprinted in 1st and 2d Repts., p. 295), *Anthocoris.*
lepidus (Stål), Rio Jan. Hemip., i, p. 43, 1860, *Anthocoris.*
Stål, Enum. Hemip., iii, p. 102, 1873.
rugicollis Reuter, Of. Vet. Akad. Forh., xxviii, p. 565, 1871.
†*perpunctatus* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 201.

a. var **latulus** Reut.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 565, 1871.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Fla., Mich., Ill., Mo., Neb., Kan., Colo., Texas. (Neotropical.)

865. **Triphleps tristicolor** White.

White, Ent. Mo. Mag., xvi, p. 145, 1879.
Reuter, Monog. Anthoc., p. 98, 1884.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 278, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 327, 1900.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 15, 1914.
Essig, Inj. Ben. Ins. Calif., edn. 2, p. 209, 1915.
Localities: Me., N. Y., Colo., Utah, N. Mex., Ariz., Calif., Idaho.

Subfamily DUFOURIELLINAE Van D.

Van Duzee, Check List Hemip., p. 35, 1916 (n.n. for *Xylocoraria* Reut.).
Xylocoraria Reuter, Monog. Anthoc., pp. 4, 113, 1884 (as division).
Champion, Biol. Centr. Am., Heter., ii, p. 330, 1900 (as division).
Oshanin, Verz. Palae. Hemip., i, p. 633, 1909 (as division).

Genus **Brachysteles** Muls. & Rey
Type *pilicornis* Muls. = *parvicornis* Costa

Mulsant and Rey, Ann. Soc. Linn. Lyons, iii, p. 104, 1852.
Fieber, Wien. Ent. Monat., iv, p. 266, 1860.
Fieber, Europ. Hemip., pp. 39, 141, 1861.
Douglas and Scott, Brit. Hemip., p. 505, 1865.
Reuter, Monog. Anthoc., pp. 113, 115, 1892, 1884.

866. **Brachysteles pallidus** Reut.

Reuter, Monog. Anthoc., p. 118, 1884.
Uhler, Check List, p. 21, 1886.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 201.
Localities: "Southern States." (West Indies.)

Genus **Cardiastethus** Fieb.
Type *luridellus* Fieb.

Fieber, Wien. Ent. Monat., iv, p. 266, 1860.
Fieber, Europ. Hemip., pp. 39, 141, 1860.
Douglas and Scott, Brit. Hemip., p. 506, 1865.
Reuter, Monog. Anthoc., pp. 114, 130, 192, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 330, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 121, 1906 (type fixation only).
Dasypterus Reuter, Of. Vet. Akad. Forh., xxviii, p. 564, 1871 (type [*limbatellus* Stål).
Banks, Cat. Nearc. Hemip., p. 23, 1910.
Amphiareus Distant, Ann. Mag. Nat. Hist., Ser. 7, xiv, p. 220, 1904 (type [*fulvescens* Walk.).
Lippomanus Distant, Ann. Mag. Nat. Hist., Ser. 7, xiv, p. 221, 1904 (type [*hirsutus* Dist.).

Subgenus **Cardiastethus** Fieb.

Reuter, Monog. Anthoc., pp. 113, 135, 1884.

867. **Cardiastethus assimilis** (Reut.)

Reuter, Of. Vet. Akad. Forh., xxviii, p. 564, 1871, *Dasypterus*.
Reuter, Monog. Anthoc., p. 139, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 201.
Champion, Biol. Centr. Am., Heter., ii, p. 332, 1900.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 502, 1914.
Localities: S. C., Fla., Texas. (Central America.)

868. **Cardiastethus pergandii** Reut.

Reuter, Monog. Anthoc., p. 141, 1884 (spelled *pergaudei* by error).
Locality: D. C.

869. **Cardiastethus luridellus** Fieb.

Fieber, Wien. Ent. Monat., iv, p. 271, 1860.
Stål, Enum. Hemip., iii, p. 103, 1873.
Reuter, Monog. Anthoc., p. 142, 1884.
Locality: Pa.

Genus **Solenonotus** Reut.
Haplotype *sulcifer* Stål

Reuter, Of. Vet. Akad. Forh., xxviii, p. 599, 1871.
Reuter, Monog. Anthoc., pp. 114, 149, 1884.
Stål, Enum. Hemip., iii, p. 101, 1873.
Champion, Biol. Centr. Am., Heter., ii, p. 334, 1900.

870. **Solenonotus angustatus** Popp.

Poppius, Ann. Soc. Ent. Belg., lvii, p. 13, 1913.
Locality: Calif.

Genus **Dufouriellus** Kirk.
Orthotype *ater* Duf.

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 121, 1906 (n.n. for *Xylocoris* Westw.).
†*Xylocoris* Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 123, 1840
Fieber, Wien. Ent. Monat., iv, p. 267, 1860. [names *ater* Duf. type).
Fieber, Europ. Hemip., pp. 39, 142, 1861.
Douglas and Scott, Brit. Hemip., p. 507, 1865.
Reuter, Of. Vet. Akad. Forh., xxvii, p. 412, 1871.
Reuter, Monog. Anthoc., pp. 114, 150, 1884.

871. **Dufouriellus ater** (Duf.)

Dufour, Ann. Soc. Ent. Fr., Ser. 1, ii, p. 106, pl. 6, fig. 3, 1833, *Xylocoris*.
Burmeister, Handb. d. Ent., ii, p. 290, 1835, *Xylocoris*.
Blanchard, Hist. Nat. des Ins., Hémip., p. 234, 1840, *Anthocoris*.
Herrich-Schaeffer, Wanz. Ins., ix, p. 170, 1853, *Xylocoris*.
Baerensprung, Berl. Ent. Zeit., ii, p. 196, 1858.
Fieber, Europ. Hemip., i, p. 142, 1861.
Douglas and Scott, Brit. Hemip., p. 508, pl. 17, fig. 6, 1865.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 413, 1871.
Reuter, Monog. Anthoc., p. 151, 1884.
Oshanin, Verz. Palae. Hemip., i, p. 637, 1909.
tardus (Herrich-Schaeffer), Nomen. Ent., i, p. 60, 1835, *Anthocoris*.
elongatus (Fieber), Weit. Beit., i, p. 109, pl. 2, fig. 8, 1836, *Anthocoris*.
Localities: N. Y. (Palaearctic.)

Genus **Scoloposcelis** Fieb.
Type *crassipes* Flor = *pulchellus* Zett.

Fieber, Wien. Ent. Monat., vii, p. 61, 1864.
Reuter, Of. Vet. Akad. Forh., xxviii, p. 413, 1871.
Ferrari, Ann. Mus. Civ. Stor. Nat. Genova. xii, p. 90, 1878.
Reuter, Monog. Anthoc., pp. 114, 151, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 335, 1900.

Oshanin, Kat. Palae. Hemip., p. 59, 1912. [(type *contubernalis* Dist.).
Ostorodias Distant, Ann. Mag. Nat. Hist., Ser. 7, xiv, p. 219, 1904
Sesellius Distant, Ann. Mag. Nat. Hist., Ser. 7, xiv, p. 221, 1904 (type [*parallelus* Mots.).

872. **Scoloposcelis flavicornis** Reut.

Reuter, Of. Vet. Akad. Forh., xxviii, p. 561, 1871.
Reuter, Monog. Anthoc., p. 154, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 335, pl. 19, fig. 32, 1900.
Localities: Pa., Fla., Texas. (Mexico.)

873. **Scoloposcelis discalis** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 15, 1914.
Locality: Calif.

Family TERMATOPHYLIDAE (Reut.)

Reuter, Wien. Ent. Zeit., iii, p. 218, 1884, Subfam. *Termatophylina.*
Reuter, Monog. Anthoc., p. 167, 1884, Subfam. *Termatophylina,* [*phylidae.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 253, 1896, Subfam. *Termato-*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906, Subfam. *Termatophylinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 70, 1910, *Termatophylidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 1, p. 2, 1912; No. 6,
Oshanin, Kat. Palae. Hemip., p. 59, 1912. [pp. 19, 48, 52, 1912.

Genus **Hesperophylum** Reut.
Haplotype *heidemanni* Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 1, p. 16, 1912.

874. **Hesperophylum heidemanni** Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 1, p. 17, 1912.
Barber, Jl. N. Y. Ent. Soc., xxii, p. 170, 1914.
Localities: N. H., Ariz.

PHALANX *MIRIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 68, 1910.
Reuter, Of. Finska Vet. Akad. Forh., Afd. A, No. 6, p. 48, 1912.
Van Duzee, Check List Hemip., p. 35, 1916.
Capsidae, Reuter, Hemip. Gymn. Eur., i, p. 13, 1878 (Family).
Distant, Biol. Centr. Am., Heter., i, p. 234, 1883.
Puton, Cat. Hémip. Palae., edn. 3, p. 45, 1886, *Capsides.*
Ashmead, Ent. Am., iv, p. 69, 1888.
Atkinson, Cat. Capsidae, p. 25, 1889.
Miridae Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906 (Family).
Kirkaldy, Can. Ent., xl, p. 361, 1908.
Capsiformes Oshanin, Kat. Palae. Hemip., p. 59, 1912.

Family MIRIDAE (Hahn)

Hahn, Wanz. Ins., i, p. 234, 1831, *Mirides.*
Brullé, Hist. Nat. des Ins., ix, p. 405, 1835, *Miriens.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 135, 1840, *Miriens.*

Kirkaldy, Entomologist, xxxii, p. 221, 1899.
Kirkaldy, Fauna Hawai., iii, p. 129, 1902, Subfam. *Mirinae.*
Bergroth, Wien. Ent. Zeit., xxii, p. 255, 1903.
Horvath, Ann. Mus. Natl. Hung., ii, p. 577, 1904.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906, Subfam. *Mirinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 69, 84, 1910 (Systematic).
Reuter, Of. Finska Vet. Soc. Forh., Afd. A, No. 6, pp. 48, 52, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent., Tech. Bul., i, p. 199, 1916. (Key.)
Van Duzee, Check List Hemip., p. 35, 1916.

Capsini Burmeister, Handb. d. Ent., ii, p. 263, 1835.
Herrich–Schaeffer, Wanz. Ins., iii, p. 35, 1836.
Spinola, Essai sur les Hémip., p. 182, 1837 (1840), *Capsoides.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 479; Synop., p. 121, 1840,
Spinola, Tavola Sinot., pp. 26, 43, 1850, *Capsites.* [*Capsidae.*
Herrich–Schaeffer, Wanz. Ins., ix, p. 163, 1853.
Flor, Rhyn. Livl., i, p. 404, 1860, *Capsina.*
Costa, Add. Cimic. Neap., p. 20, 1860, *Capsidea.*
Douglas and Scott, Brit. Hemip., pp. 27, 276, 1865, Sec. *Capsina.*
Stål, Hemip. Afr., iii, p. 17, 1865, *Capsida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 667, 1870, *Capsina.*
Thomson, Opusc. Ent., i, p. 410, 1871, *Capsina.*
Reuter, Rev. Crit. Caps., i, p. 65, 1875, Subfam. *Capsina.*
Reuter, Genera Cimic. Eur., p. 4, 1875, Subfam. *Capsina.*
Reuter, Hemip. Gymn. Eur., i, p. 15, 1878, Subfam. *Capsina.*
Distant, Biol. Centr. Am., Heter., i, p. 235, 1883, *Capsinae.*
Uhler, Check List, p. 17, 1886, *Capsidae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 45, 1886, Tribe *Capsini.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 412, 1904, *Capsidae.*
Reuter, Festsch. f. Palmen, i, 1905 (systematic).
Oshanin, Verz. Palae. Hemip., i, p. 645, 1909, *Capsidae.*
Banks, Cat. Nearc. Hemip., p. 28, 1910.
Oshanin, Kat. Palae. Hemip., p. 59, 1912, *Capsidae.*
Van Duzee, Can. Ent., xlvi, p. 386, 1914, *Capsidae.*

Bicellules Amyot and Serville, Hémip., pp. xxxviii, 275, 1843.
Dohrn, Cat. Hemip., p. 37, 1859, *Bicelluli.*

Phytocoridae Fieber, Wien. Ent. Monats., ii, p. 289, 1858.
Fieber, Europ. Hemip., pp. 26, 61, 237, 1861.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 408, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876.
Uhler, Stand. Nat. Hist., ii, p. 286, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 92, 1886.

Subfamily MIRINAE (Reut.)

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 128, 155, 1910, *Mirina.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 201, 203, 1916.

Capsinae Amyot and Serville, Hémip., pp. xxxix, 278, 1843, *Capsides.*
Oshanin, Kat. Palae. Hemip., p. 59, 1912.

TRIBE *MIRINI* (A. & S.)

Amyot and Serville, Hémip., pp. xxxviii, 277, 1843 (groupe *Mirides*).
Dohrn, Cat. Hemip., p. 37, 1859, *Miridae.*

Douglas and Scott, Brit. Hemip., pp. 29, 282, 1865, Family *Miridae.*
Reuter, Genera Cimic. Eur., p. 5, 1875, Div. *Miraria.*
Reuter, Rev. Crit. Caps., i, p. 76; ii, p. 1, 1875, Div. *Miraria.*
Berg, Hemip. Argent., p. 117, 1879, Subfam. *Myridina.*
Reuter, Hemip. Gymn. Eur., iii, p. 565, 1883, Div. *Miraria.*
Puton, Cat. Hemip. Palae., edn. 3, p. 45, 1886, Div. *Miraria.*
Uhler, Check List, p. 17, 1886, *Miraria.*
Provancher, Pet. Faune Ent. Can., iii, p. 95, 1886, *Mirides.*
Atkinson, Cat. Capsidae, p. 32, 1889, Div. *Miraria.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, §*Mininae.*
Reuter, Festsch. f. Palmen, i, pp. 21, 28, 1905, Div. *Miraria.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 143, 1906, Tribe *Mirini.*
Kirkaldy, Can. Ent., xxxviii, p. 372, 1906, Tribe *Mirini.*
Oshanin, Verz. Palae. Hemip., i, p. 761, 1909, Div. *Miraria.*
Reuter, Acta Soc. Sci. Fenn., xxxvii. No. 3, pp. 129, 130, 1910, Div. *Miraria.*
Banks, Cat. Nearc. Hemip., p. 40, 1910, *Mirini.*
Oshanin, Kat. Palae. Hemip., p. 68, 1912, Div. *Miraria.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 204, 205, 1916.
Van Duzee, Check List Hemip., p. 35, 1916.

Genus **Collaria** Prov.
Haplotype *meilleurii* Prov.

Provancher, Nat. Can., iv, p. 79, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 101, 1886.
Uhler, Ent. Am., ii, p. 230, 1887.
Distant, Biol. Centr. Am., Heter., i, p. 417, 1893.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 64, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., li, No. 13, p. 11, 1909 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.
Trachelomiris Reuter, Caps. Am. Bor., p. 61, 1876 (type *oculatus* Reut.).
Distant, Biol. Centr. Am., Heter., i, p. 238, 1883. [*coracina* Uhl.).
Nabidea Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 397, 1878 (Type

875. **Collaria meilleurii** Prov.

Provancher, Nat. Can., iv, p. 79, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 102, 1886.
Uhler, Ent. Am., ii, p. 230, 1887.
Van Duzee, Can. Ent., xix, p. 70, 1887, *Trachelomiris.*
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Harrington, Ottawa Nat., vi, p. 27, 1892, *Trachelomiris.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Montgomery, Ent. News, xiii, p. 13, 1902.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905.
Moore, Can. Ent., xxxix, p. 163, 1907.
Van Duzee, Can. Ent., xl, p. 112, 1908.
Parshley, Psyche, xxi, p. 142, 1914.
coracina Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 398, 1878, *Nabidea.*
Localities: Ont., N. Y.

876. **Collaria oculata** (Reut.)

Reuter, Caps. Am. Bor., p. 61, 1876, *Trachelomiris.*
Van Duzee, Can. Ent., xix, p. 70, 1887, *Trachelomiris.*

Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Trachelomiris.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Montgomery, Ent. News, xiii, p. 13, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Parshley, Psyche, xxi, p. 142, 1914.
Localities: Quebec, Ont., N. Y., N. J., Pa., Ga., Fla., Ia., Kans., Texas.

877. **Collaria explicata** Uhl.

Uhler, Ent. Am., ii, p. 230, 1887.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Fla. (West Indies, Mexico.)

878. **Collaria oleosa** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 238, pl. 24, fig. 2, 1883, *Trachelomiris.*
Distant, Biol. Centr. Am., Heter., i, p. 417, 1893.
Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 266.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907.
Localities: Calif.(?). (Mexico.)

Genus **Miris** Fabr.
Orthotype *dolabratus* (Linn.)

Fabricius, Ent. Syst., iv, p. 183, 1794 (indicates *dolabratus* as type).
Latreille, Precis, p. 84, 1796.
Latreille, Hist. Nat. Crust. Ins., iii, p. 246, 1802; xii, p. 221, 1804.
Fabricius, Syst. Rhyng., p. 253, 1803.
Latreille, Genera Crust. Ins., iii, p. 124, 1807.
Fallén, Monog. Cimic. Suec., p. 106, 1807.
Latreille, Consid. Genl., pp. 255, 433, 1810 (names *striatus* pseudotype).
Latreille, *in* Cuvier, Régne Anim., edn. 2, v, p. 199, 1829.
Fallén, Hemip. Suec., Cimic., p. 127, 1829.
Hahn, Wanz. Ins., ii, p. 73, 1834, §*Myris.*
Burmeister, Handb. d. Ent., ii, p. 264, 1835.
Brullé, Hist. des Ins., ix, p. 409, 1835.
Herrich–Schaeffer, Wanz. Ins., iii, p. 35, 1836.
Spinola, Essai sur les Hémip., p. 186, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 135, 1840.
Westwood, Introd. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (cites *dolabratus* [as type).
Amyot and Serville, Hémip., p. 277, 1843.
Spinola, Tavola Sinot., p. 43, 1850.
Reuter, Rev. Synon., p. 243, 1888 (cites *dolabratus* as type).
Atkinson, Cat. Capsidae, p. 32, 1889.
Hüeber, Synop. deut. Bindw., i, pp. 33, 63, 1894.
Reuter, Of. Finska Vet.-Soc. Forh., xlvi, No. 15, p. 1, 1904 (note).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

†*Lopus* Herrich-Schaeffer, Wanz. Ins., iii, p. 35, 1836.
Kirschbaum, Rhyng. geg. v. Wiesbd., Caps., pp. 34, 105, 1855.
Leptopterna Fieber, Wien. Ent. Monat., ii, p. 302, 1858.
Fieber, Europ. Hemip., pp. 63, 244, 1861.
Thomson, Opusc. Ent., iv, p. 415, 1871.
Reuter, Genera Cimic. Eur., p. 9, 1875.
Reuter, Rev. Crit. Caps., ii, p. 13, 1875.
Provancher, Pet. Faune Ent. Can., iii, p. 104, 1886.
Puton, Cat. Hemip. Palae., edn. 3, p. 46, 1886.
Uhler, Check List, p. 17, 1886.
Lopomorphus Douglas and Scott, Brit. Hemip., p. 293, 1865.

879. **Miris dolabratus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 449, 1758; edn. 12, i, p. 730, 1767, *Cimex.*
Fabricius, Syst. Ent., p. 726, 1775, *Cimex.*
Schrank, Enum. Ins. Austr., p. 285, 1781, *Cimex.*
Fabricius, Ent. Syst., iv, p. 183, 1794.
Schrank, Fauna Boic., ii, p. 96, 1801, *Cimex.*
Fabricius, Syst. Rhyng., p. 252, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 227, 1804.
Fallén, Monog. Cimic. Suec., p. 107, 1807.
Zetterstedt, Fauna Lapp., p. 501, 1828.
Fallén, Hemip. Suec., Cimic., p. 128, 1829.
Hahn, Wanz. Ins., ii, p. 75, fig. 160, 1834.
Burmeister, Handb. d. Ent., ii, p. 267, 1835, *Phytocoris.*
Herrich-Schaeffer, Nomen. Ent., i, p. 47, 1835, *Lopus.*
Herrich-Schaeffer, Wanz. Ins., iii, p. 45, figs. 261, 262, 1835, *Lopus.*
Zetterstedt, Ins. Lapp., col. 286, 1840.
Blanchard, Hist. des Ins., Hémip., p. 136, 1840.
Meyer-Duer, Verz. Schw. Rhyng., p. 38, 1843.
Sahlberg, Monog. Geoc. Fenn., p. 82, 1848, *Lopus.* (Oshanin says p. 88.)
Kirschbaum, Rhyng. Geg. v. Wiesbd., Caps., p. 196, 1855, *Lopus.*
Flor, Rhyng. Livl., i, p. 437, 1860.
Fieber, Europ. Hemip., p. 245, 1861 (var. b), *Leptopterna.*
Douglas and Scott, Brit. Hemip., p. 297, 1865, *Lopomorphus.*
Stål, Hemip. Fabr., i, p. 90, 1868.
Thomson, Opusc. Ent., iv, p. 415, 1871.
Reuter, Rev. Crit. Caps., ii, p. 15, 1875, *Leptopterna.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 397, 1878, *Lopomorphus.*
Provancher, Pet. Faune Ent. Can., iii, p. 104, 1886, *Leptopterna.*
Van Duzee, Can. Ent., xix, p. 70, 1887, *Leptopterna.*
Reuter, Rev. Synon., p. 243, No. 209, 1888.
Saunders, Heter. Brit. Isds., p. 227, pl. 20, fig. 10, 1892, *Leptopterna.*
Harrington, Ottawa Nat., vi, p. 27, 1892, *Leptopterna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Leptopterna.*
Slosson, Ent. News, v, p. 5, 1894, *Leptopterna.*
Montgomery, Ent. News, xiii, p. 13, 1902, *Leptopterna.*
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904, *Leptopterna.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Leptopterna.*
Moore, Can Ent., xxxix, p. 163, 1907, *Leptopterna.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Van Duzee, Can. Ent., xl, p. 111, 1908.

Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
?frumentarius Poda, Ins. Musei Graec., p. 60, 1761, *Cimex.*
riparius Scopoli, Ent. Carn., p. 135, 1763, *Cimex.*
†*laevigatus* De Geer, Mémoires, iii, p. 292, 1773, *Cimex.*
Retzius, Genera et Spec. Ins., p. 88, No. 437, 1783, *Cimex.*
lateralis Fabricius, Genera Ins., p. 300, 1776, *Cimex.*
Fabricius, Ent. Syst., iv, p. 184, 1794.
Wolff, Icon. Cimic., iii, p. 115, fig. 109, 1802.
Fabricius, Syst. Rhyng., p. 254, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 227, 1804.
?deses Müller, Zool. Danicae Prodr., p. 108, 1776, *Cimex.*
antenni-rectus Goeze, Ent. Beytr., ii, p. 267, 1778, *Cimex.*
v-flavum Goeze, Ent. Beytr., ii, p. 279, 1778, *Cimex.*
porrectus Geoffroy *in* Fourcroy, Ent. Paris., p. 206, 1785, *Cimex.*
recticornis Gmelin *in* Linnaeus, Syst. Nat., edn. 13, p. 2185, 1788, *Cimex.*
abbreviatus Wolff, Icon. Cimic., iii, p. 116, fig. 110, 1802.
?picticeps Curtis, Brit. Ent., xv, pl. 701, 1838.
carinatus Douglas and Scott, Brit. Hemip., p. 294, 1865, *Lopomorphus.*
belangeri Provancher, Nat. Can., iv, p. 78, 1872.
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Pa., Md. (Europe.)

880. **Miris ferrugatus** Fall.

Fallén, Monog. Cimic. Suec., p. 107, 1807.
Fallén, Hemip. Suec. Cimic., p. 129, 1829.
Herrich-Schaeffer, Wanz. Ins., iii, p. 46, fig. 263, 1835, *Lopus.*
Meyer-Duer, Verz. Schw. Rhyn., Caps., p. 39, 1843, *Lopus.*
Kirschbaum, Rhyng. Geg. v. Wiesbd., Caps., p. 196, 1855, *Lopus.*
Flor, Rhyng. Livl., i, p. 439, 1860.
Douglas and Scott, Brit. Hemip., p. 295, pl. 10, fig. 6, 1865, *Lopomorphus.*
Reuter, Revue Crit. Caps., ii, p. 14, 1875, *Leptopterna.*
Saunders, Heter. Brit. Isds., p. 227, pl. 20, fig. 9, 1892, *Leptopterna.*
Hüeber, Synop. deut. Blindw., i, p. 64, 1894.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 504, 1900, *Leptopterna.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
discors Costa, Cimic. Reg. Neap., Cent. 3, p. 57, 1852, *Lopus.*
dolobratus Fieber, Europ. Hemip., p. 245, 1861, *Leptopterna* (var. a).
Localities: Quebec, Alaska. (Europe.)

881. **Miris amoenus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 409, 1872, *Leptopterna.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 316, 1876, *Leptopterna.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Leptopterna.*
Gillette and Baker, Hemip. Colo., p. 29, 1895, *Leptopterna.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907.
Localities: Ia., Dak., Colo., Idaho.

Genus **Stenodema** Lap.
Orthotype *virens* (Fabr.)

Laporte, Essai Classif. Syst. Hémip., p. 40, 1832.
Reuter, Rev. Syst., p. 237, 1888.
Hüeber, Synop. deut. Blindw., i, pp. 33, 36, 1894.

Reuter, Of. Finska Vet.-Soc. Forh., xlvi, No. 15, p. 1, 1904.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.
†*Miris* Herrich-Schaeffer, Wanz. Ins., iii, p. 37, 1836.
Kirschbaum, Rhyng. geg. v. Wiesbd., Caps., pp. 32, 105, 1855.
Fieber, Wien. Ent. Monat., ii, p. 301, 1858.
Fieber, Europ. Hemip., pp. 62, 239, 1861.
Douglas and Scott, Brit. Hemip., p. 282, 1865.
Reuter, Genera Cimic. Eur., p. 8, 1875.
Reuter, Rev. Crit. Caps., ii, p. 1, 1875.
Distant, Biol. Centr. Am., Heter., i, p. 236, 1883.
Puton, Cat. Hemip. Palae., edn. 3, p. 45, 1886.
Uhler, Check List, p. 17, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 103, 1886.

Subgenus **Brachystira** Fieb.
Haplotype *calcaratus* (Linn.)

Fieber, Wien. Ent. Monat., ii, p. 301, 1858.
Van Duzee, Check List Hemip., p. 36, 1916.
‡*Brachytropis* Fieber, Wien. Ent. Monat., ii, p. 343, 1858.
Fieber, Europ. Hemip., pp. 62, 241, 1861.
Thomson, Opusc. Ent., iv, p. 413, 1871.
Reuter, Genera Cimic. Eur., p. 8, 1875.
Reuter, Rev. Crit. Caps., i, p. 78; ii, p. 1, 1875 (as subgen. of *Miris*).
Puton, Cat. Hemip. Palae., p. 45, 1886 (subgen. of *Miris*).
Uhler, Check List, p. 17, 1886 (as genus).
Reuter, Of. Finska Vet.-Soc. Forh., xlvi, No. 15, p. 3, 1904 (as subgen.).

882. **Stenodema trispinosum** Reut.

Reuter, Of. Finska Vet. Soc. Forh., xlvi, No. 15, pp. 4, 8, 1904.
Van Duzee, Can Ent., xl, p. 111, 1908.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 4, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Parshley, Psyche, xxi, p. 140, 1914. [*tropis.*
†*calcaratus* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 316, 1876, *Brachy-*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 413, 1877, *Brachytropis.*
Van Duzee, Can. Ent., xix, p. 70, 1887; xxi, p. 3, 1889, *Brachytropis.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Brachytropis.*
Gillette and Baker, Hemip. Colo., p. 28, 1895, *Brachytropis.*
Smith, Cat. Ins. N. J., edn. 2, p. 128, 1900, *Brachytropis.*
Montgomery, Ent. News, xiii, p. 13, 1902, *Brachytropis.*
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904, *Brachytropis.*
Localities: Quebec, Ont., Me., Mass., N. Y., D. C., Colo., Calif., Brit. Col.

Subgenus **Stenodema** Lap.

Reuter, Of. Finska Vet.-Soc. Forh., xlvi, No. 15, p. 4, 1904.
Lobostethus Fieber, Wien. Ent. Monat., ii, p. 301, 1858 (haplotype *virens*
Fieber, Europ. Hemip., pp. 62, 242, 1861. [Fabr.).
†*Miris* Thomson, Opusc. Ent., iv, p. 414, 1871.
Reuter, Genera Cimic. Eur., p. 8, 1875.
Reuter, Rev. Crit. Caps., i, p. 78; ii, p. 2, 1875.

883. **Stenodema vicinum** (Prov.)

Provancher, Nat. Can., iv, p. 77, 1872, *Miris.*
Parshley, Psyche, xxi, p. 141, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
†*vagans* Say, Hemip. N. Harm., p. 26; Fitch reprint, p. 792; Compl. Writ., i, p. 348, *Miris.*
instabilis (Uhler), Wheeler's Rept. Surv. 100th Mer., v, p. 836, 1875, *Miris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 361, 1876, *Miris.* [*Miris.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 413, 1877; iv, p. 506, 1878,
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1327, *Miris.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 395, 1878, *Miris.*
Provancher, Pet. Faune Ent. Can., iii, p. 103, 1886, *Miris.*
Van Duzee, Can. Ent., xix, p. 70, 1887, *Miris.*
Bergroth, Wien. Ent. Zeit., xvii, p. 33, 1898.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 355, 1904, *Miris.*
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904, *Miris.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Miris.*
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907, *Miris.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
affinis (Reuter), Caps. Am. Bor., p. 59, 1876, *Miris.*
Van Duzee, Can. Ent., xxi, p. 3, 1889, *Miris.*
Distant, Biol. Centr. Am., Heter., i, p. 236, 1883, *Miris.*
Atkinson, Cat. Capsidae, p. 33, 1889, *Miris.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Miris.*
Harrington, Ottawa Nat., vi, p. 27, 1892, *Miris.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Miris.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Miris.*
Gillette and Baker, Hemip. Colo., p. 28, 1895, *Miris.*
Slosson, Ent. News, ix, p. 251, 1898, *Miris.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Miris.*
Van Duzee, Can. Ent., xxxviii, p. 407, 1906, *Miris.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Miris.*
Van Duzee, Can. Ent., xl, p. 111, 1908. [*Miris.*
[*rubellus* Uhler MS], Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905,
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Miris rubillus.*
Localities: Quebec, Ont., Me., N. H., N. Y., Pa., Mich., Kans., Colo., N. Mex., Calif.

884. **Stenodema dorsalis** (Say)

Say, Heter. N. Harm., p. 26; Fitch reprint, p. 793; Compl. Writ., i, p. 348, [*Miris.*

Locality: "U. S."

885. **Stenodema virens** (Linn.)

Linnaeus, Syst. Nat., edn. 12, i, p. 730, 1767, *Cimex.*
Schrank, Enum. Ins. Austr., p. 288, 1781, *Cimex.*
Rossi, Fauna Etrusca, ii, p. 251, 1790, *Cimex.*
Fabricius, Ent. Syst., iv, p. 185, 1794, *Miris.*
Wolff, Icon. Cimic., ii, p. 78, fig. 75, 1801, *Miris.*
Schrank, Fauna Boica, ii, p. 95, 1801, *Cimex.*
Fabricius, Syst. Rhyng., p. 254, 1803, *Miris.*

Latreille, Hist. Nat. Crust. Ins., xii, p. 228, 1804, *Miris.*
Le Peletier and Serville, Encyc. Méth., x, p. 324, 1825, *Miris.*
Laporte, Essai Classif. Syst. Hémip., p. 40, 1832.
Herrich–Schaeffer, Nom. Ent., i, p. 47, 1835, *Miris.*
Brullé, Hist. des Ins., ix, p. 409, pl. 35, fig. 5, 1835, *Miris.*
Herrich–Schaeffer, Wanz. Ins., iii, p. 42, fig. 257, 1836, *Miris.*
Spinola, Essai sur les Hémip., p. 137, 1837 (1840), *Miris.*
Blanchard, Hist. des Ins., Hémip., p. 135, 1840, *Miris.*
Meyer–Duer, Verz. Schw. Rhyng., p. 35, 1843, *Miris.*
Kolenati, Melet. Ent., ii, p. 99, 1845, *Miris.*
Sahlberg, Monog. Geoc. Fenn., p. 86, 1848, *Miris.*
Costa, Cimic. Reg. Neap., Cent. iii, p. 31, 1852, *Miris.*
Kirschbaum, Rhyng. geg. v. Wiesbd., Caps., p. 35, 1855, *Miris.*
Flor, Rhyng. Livl., i, p. 423, 1860, *Miris.*
Fieber, Europ. Hemip., p. 243, 1861, *Lobostethus.*
Thomson, Opusc. Ent., iv, p. 414, 1871, *Miris.*
Reuter, Rev. Crit. Caps., ii, p. 2, 1875, *Miris.*
Reuter, Revue Synon., p. 237, No. 203, 1888.
Reuter, Of. Finska Vet.-Soc. Forh., xlvi, No. 15, p. 4, 1904.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
†*laevigatus* (Zetterstedt), Fauna Lapp., p. 501, 1828, *Miris.*
Hahn, Wanz. Ins., p. 76, fig. 161, 1834, *Miris.*
Zetterstedt, Ins. Lapp., column 286, 1840, *Miris.*
virescens (Fallén), Hemip. Suec., Cimic., p. 131, 1829, *Miris* (as var.).
†*ruficornis* (Hahn), Wanz. Ins., ii, p. 220, 1834, *Miris.*
Localities: "N. Am." (Europe.)

Genus **Megaloceroea** Fieb.
Haplotype *longicornis* Fieb. = *linearis* (Fues.)

Fieber, Wien. Ent. Monat., ii, p. 301, 1858.
Fieber, Europ. Hemip., pp. 62, 243, 1861.
Walker, Cat. Heter., vi, p. 41, 1873.
Reuter, Genera Cimic. Eur., p. 9, 1875.
Reuter, Crit. Rev. Caps., i, p. 78; ii, p. 5, 1875.
Hüeber, Synop. deut. Blindw., i, pp. 33, 52, 1894. [*linearis* Fus. type).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 424, 1904 (names *recticornis* Geof. =
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

886. **Megaloceroea debilis** Uhl.

¶Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Miris.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 403, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 316, 1876.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 122, 1892.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
Gillette and Baker, Hemip. Colo., p. 28, 1895.
Osborn, Ohio Nat., i, p. 12, 1900.
Reuter, Neark. Caps., p. 5, 1909.
Localities: Ia., Colo., Vanc. Isd.

887. **Megaloceroea rubicunda** Uhl.

¶Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Miris.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 409, 1872.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 316, 1876.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 122, 1892.
Localities: Ia., Colo.

888. **Megaloceroea gracilis** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914, *Stenodema*.
Van Duzee, Check List, p. 36, 1916.
Locality: Calif.

Genus **Mesomiris** Reut.
Haplotype *curtulus* Reut.

Reuter, Neark. Caps., p. 4, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

889. **Mesomiris curtulus** Reut.

Reuter, Neark. Caps., p. 5, 1909.
Localities: Mass., Conn., Md., Pa.

Genus **Trigonotylus** Fieb.
Haplotype *ruficornis* (Geoff.)

Fieber, Wien. Ent. Monat., ii, p. 302, 1858.
Fieber, Europ. Hemip., pp. 66, 243, 1861.
Reuter, Genera Cimic. Eur., p. 9, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 79; ii, p. 6, 1875 (as subgenus).
Provancher, Pet. Faune Ent. Can., iii, p. 103, 1886.
Hüeber, Synop. Deut. Blindw., i, pp. 33, 54, 1894.
Reuter, Neark. Caps., p. 5, 1909.
Oshanin, Verz. Palae. Hemip., i, p. 773, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.
Callimiris Reuter, Caps. Am. Bor., p. 60, 1875 (type *uhleri* Reut.).

890. **Trigonotylus ruficornis** (Geoff.)

Cimex No. 45, Geoffroy, Hist. Abreg. des Ins., i, p. 47, 1762.
Geoffroy *in* Fourcroy, Ent. Paris., p. 209, 1785, *Cimex*.
Fallén, Monog. Cimic. Suec., p. 112, 1807, *Miris* (as new).
Zetterstedt, Fauna Lapp., p. 502, 1828, *Miris*.
Fallén, Hemip. Suec., Cimic., p. 133, 1829, *Miris*.
Herrich–Schaeffer, Nom. Ent., i, p. 47, 1835, *Miris*.
Herrich–Schaeffer, Wanz. Ins., iii, p. 40, 1836, *Miris*.
Spinola, Essai sur les Hémip., p. 187, 1837 (1840), *Miris*.
Zetterstedt, Ins. Lapp., column 287, 1840, *Miris*.
Rambur, Fauna Ent. Andul., p. 158, 1842, *Miris*.
Meyer–Duer, Verz. Schw. Rhyng., p. 37, 1843, *Miris*.
Sahlberg, Monog. Geoc. Fenn., p. 87, 1848, *Miris*.
Costa, Cimic. Reg. Neap., Cent., iii, p. 32, 1852, *Miris*.
Kirschbaum, Rhyn. geg. v. Wiesbd., Caps., p. 192, 1855, *Miris*.
Flor, Rhyng. Livl., i, p. 435, 1860, *Miris*.
Fieber, Europ. Hemip., p. 243, 1861.
Douglas and Scott, Brit. Hemip., p. 290, 1865.
Thomson, Opusc. Ent., iv, p. 413, 1871, *Miris*.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 409, 1872.
Reuter, Crit. Rev. Caps., ii, p. 7, 1875.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 316, 1876; iii, p. 413, 1877; iv, p. 506, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 104, 1886.
Van Duzee, Can. Ent., xix, p. 70, 1887.
Reuter, Revue Synon., p. 242, No. 208, 1888.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Harrington, Ottawa Nat., vi, p. 27, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Slosson, Ent. News, v, p. 5, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Gillette and Baker, Hemip. Colo., p. 28, 1895.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 503, 1900, *Megaloceroea.*
Montgomery, Ent. News, xiii, p. 13, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904, *Megaloceroea.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Moore, Can. Ent., xxxix, p. 163, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Van Duzee, Can. Ent., xl, p. 112, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Van Duzee, Can. Ent., xliv, p. 320, 1912.

viridis (Provancher), Nat. Can., iv, p. 78, 1872, *Miris.*

Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Kans., Colo., Alaska. (Europe.)

891. **Trigonotylus pulcher** Reut.

Reuter, Caps. Am. Bor., p. 59, 1876.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 248, 1894.
Gillette and Baker, Hemip. Colo., p. 28, 1885.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.

Localities: Me., Mass., N. J., Fla., Kans., Colo., N. Mex., Texas.

892. **Trigonotylus brevipes** Jak.

Jakowlef, Horae Soc. Ent. Ross., xi, p. 63 (Oshanin says 215), 1880.
Reuter, Ann. Mus. Zool. Acad. Imp. St. Pet., ix, p. 5, 1904.
Reuter, Ent. Mo. Mag., Ser. 2, xix, p. 27, 1908.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 6, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914.

tenuis Reuter, Rev. d'Ent., xii, p. 208, 1893 (var. of *ruficornis*).
Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 7, p. 1, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907.

pallidicornis Reuter, Of. Finska Vet.-Soc. Forh., xlii, p. 161, 1899.

Localities: N. J., Fla., Colo., N. Mex., Calif. (West Indies, Europe, Madagascar.)

893. **Trigonotylus tarsalis** (Reut.)

Reuter, Caps. Am. Bor., p. 60, 1876, *Callimiris.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907, *Callimiris.*

Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907, *Callimiris.*
Reuter, Neark. Caps., p. 6, 1909.
Localities: Kans., Wis., Texas, Manitoba.

894. **Trigonotylus uhleri** (Reut.)

Reuter, Caps. Am. Bor., p. 60, 1876, *Callimiris.*
Smith, Cat. Ins. N. J., edn. 2, p. 128, 1900, *Callimiris.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Callimiris.*
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Localities: N. J., "N. Am."

895. **Trigonotylus confusus** Reut.

Reuter, Neark. Caps., p. 6, 1909.
Locality: Md.

Genus **Teratocoris** Fieb.
Haplotype *antennatus* (Boh.)

Fieber, Wien. Ent. Monat., ii, p. 302, 1858.
Fieber, Europ. Hemip., pp. 63, 245, 1861.
Thomson, Opusc. Ent., iv, p. 416, 1871.
Walker, Cat. Heter., vi, p. 41, 1873.
Reuter, Genera Cimic. Eur., p. 9, 1875.
Reuter, Rev. Crit. Caps., i, p. 79; ii, p. 7, 1875.
Atkinson, Cat. Capsidae, p. 37, 1889.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 144, 1906.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

896. **Teratocoris discolor** Uhl.

Uhler, Ent. Am., iii, p. 68, 1887.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Gillette and Baker, Hemip. Colo., p. 29, 1895.
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Localities: Quebec, Ont., Mass., N. Y., Mo., Colo.

897. **Teratocoris herbaticus** Uhl.

Uhler, Ent. Am., iii, p. 67, 1887.
Reuter, Ent. Tidskr., xxviii, p. 81, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 7, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 29, 1912.
§*miraria* Atkinson, Cat. Capsidae, p. 38, 1889.
Localities: Labrador. (Norway, Sweden.)

898. **Teratocoris saundersi** D. & S.

Douglas and Scott, Ent. Mo. Mag., v, p. 260, 1869.
Reuter, Rev. Crit. Caps., ii, p. 11, 1875.
Saunders, Heter. Brit. Isds., p. 226, pl. 20. fig. 8, 1892.
Hüeber, Synop. deut. Blindw., i, p. 61, 1894.
Reuter, Ent. Tidskr., xxviii, p. 81, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 7, 1909.

Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 29, note, 1912.
†*longicornis* (Sahlberg), Monog. Geoc. Fenn., p. 87, 1848, *Miris.*
†*antennatus* (Flor), Rhyng. Livl., i, p. 433, 1860, *Miris.*
flori J. Sahlberg, Not. Sallsk. Fauna Flora Fenn., xi, p. 290, 1871.
‖*longicornis* Uhler, Hemip. Colo., p. 29, 1895.
caricis Kirkaldy, Can. Ent., xli, p. 390, 1909 (n.n. for *longicornis* Uhl.).
Localities: Colo. (Europe.)

TRIBE *HORISTINI* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 204, 205, 1916.
Van Duzee, Check List Hemip., p. 36, 1916.
Lopidae, Douglas and Scott, Brit. Hemip., pp. 34, 474, 1865 (as family).
Reuter, Rev. Crit. Caps., i, p. 76; ii, p. 17, 1875, Div. *Loparia.*
Reuter, Genera Cimic. Eur., p. 6, 1875, Div. *Loparia.*
Reuter, Caps. Am. Bor., p. 63, 1876, Div. *Loparia.*
Distant, Biol. Centr. Am., Heter., i, p. 251, 1883, *Loparia.*
Uhler, Check List, p. 17, 1886, *Loparia.*
Provancher, Pet. Faune Ent. Can., iii, p. 96, 1886, *Loparides.*
Restheniaria Reuter, Festschr. f. Palmen., i, pp. 20, 28, 1905, Division.
Kirkaldy, Can. Ent., xxxviii, p. 372, 1906, Tribe *Resthenini.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 129, 232, 256, 1910,
Oshanin, Kat. Palae. Hemip., p. 68, 1912, Tribe *Resthenaria.* [Division.
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 7, 1913 (Key).

Genus **Platytylellus** Reut.
Orthotype *nigripennis* (Stål)

Reuter, Ann. k. k. Natl. Hofms. Wien, xxii, p. 71, 1907.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 40, 1912. [scription).
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, pp. 9, 22, 1913 (de-
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.
†*Resthenia* Reuter, Caps. Am. Bor., p. 64, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 251, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 105, 1887.
[Genus *Prepops* seems to be distinct.]

899. **Platytylellus insitivus** (Say)

Say, Heter. N. Harm., p. 21, 1832; Fitch reprint, p. 785; Compl. Writ., 1, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 399, 1878, *Resthenia.* [340, *Capsus.*
Uhler, Stand. Nat. Hist., ii, p. 286, 1884, *Resthenia.*
Van Duzee, Can. Ent., xix, p. 70, 1887, *Resthenia.*
Harrington, Ottawa Nat., vi, p. 27, 1892, *Resthenia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Resthenia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Resthenia.*
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Resthenia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 180, 1909, *Resthenia.*
Gibson, Rept. Ent. Soc. Ont. for 1910, p. 125, *Resthenia.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910, *Resthenia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Resthenia.*
xanthomelas (Walker), Cat. Heter., vi, p. 92, 1873, *Capsus.*
Slosson, Ent. News, v, p. 5, 1894, *Resthenia.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 205, 1904, *Resthenia.*
Localities: Ont., N. H., N. Y., N. J., Pa., Fla., Colo.

900. **Platytylellus divisus** (H. S.)

Herrich-Schaeffer, Wans. Ins., ix, p. 167, fig. 960, 1853, *Capsus* (description [on page 166 under name *Capsus tetrastigma*).
Stål, Stet. Ent. Zeit., xxiii, p. 317, 1862, *Resthenia.*
Walker, Cat. Heter., vi, p. 91, 1873, *Capsus.*
Distant, Biol. Centr. Am., Heter., i, p. 258, 1883, *Resthenia.*
Barber, Brookl. Inst., Sci. Bul., i, p. 278, 1906, *Resthenia.*
Localities: Fla., Texas. (Mexico.)

901. **Platytylellus ornaticollis** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 317, 1862, *Resthenia.*
Reuter, Caps. Am. Bor., p. 64, 1876, *Resthenia.*
Distant, Biol. Centr. Am., Heter., i, p. 253, pl. 22, fig. 5, 1883, *Resthenia.*
Barber, Brookl. Inst., Sci. Bul., i, p. 278, 1906, *Resthenia.*
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 26, 1913 (descrip-
bicinctus Walker, Cat. Heter., vi, p. 100, 1873, *Capsus.* [tion).
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 205, 1904, *Resthenia.*
Localities: Texas. (Mexico.)

902. **Platytylellus confraternus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 411, 1872, *Resthenia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876; iii, p. 415, 1877, *Resthenia.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 399, 1878, *Resthenia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Resthenia.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910, *Resthenia.*
maculicollis (Reuter), Caps. Am. Bor., p. 65, 1876, *Resthenia.*
Gillette and Baker, Hemip. Colo., p. 30, 1895, *Resthenia.*
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Resthenia.*
Banks, Cat. Neare. Hemip., p. 40, 1910, *Resthenia.*
Localities: N. Y., N. J., Pa., Ga., Fla., Mich., Colo., Texas.

903. **Platytylellus robustus** Reut.

Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 32, 1913.
Locality: Ga.

904. **Platytylellus atripennis** (Reut.)

Reuter, Caps. Am. Bor., p. 65, 1876, *Resthenia.*
Gillette and Baker, Hemip. Colo., p. 29, 1895, *Resthenia.*
Localities: Colo., Texas.

905. **Platytylellus intercidendus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 426, pl. 37, fig. 1, 1893, *Resthenia.*
Reuter, Ann. k. k. Natl. Hofms. Wien, xxii, p. 170, 1909, *Resthenia* (notice).
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 26, 1913 (descrip-
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Resthenia.* [tion).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
§*basivittis* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914 [(error for *bivittis*).
Localities: Fla., Calif. (Mexico.)

906. **Platytylellus nigricollis** (Reut.)

Reuter, Caps. Am. Bor., p. 65, 176, *Resthenia.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910, *Resthenia.*
Localities: N. Y., N. J., Ohio.

907. **Platytylellus persignandus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 357, pl. 22, fig. 21, 1883, *Resthenia.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906, *Resthenia.*
Localities: Arizona (perhaps *nigricollis*). (Mexico.)

908. **Platytylellus bivittis** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 318, 1862, *Resthenia.*
Reuter, Caps. Am. Bor., p. 64, 1876, *Resthenia.*
Distant, Biol. Centr. Am., Heter., i, p. 256, pl. 24, fig. 21, 1883, *Resthenia.*
Gillette and Baker, Hemip. Colo., p. 29, 1895, *Resthenia.*
[*metopus?* (description).
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 49, 1913, *Oncero-*
Localities: Colo., Utah, Idaho. (Mexico.)

909. **Platytylellus insignis** (Say)

Say, Heter N. Harm., p. 22, 1832; Fitch reprint, p. 787; Compl. Writ., i, p.
[342, *Capsus.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 411, 1872, *Resthenia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876, *Resthenia.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Resthenia.*
Uhler, Bul. U. S. Geol. Geog. Sur., iv, p. 507, 1878, *Resthenia.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 400, 1878, *Resthenia.*
Provancher, Pet. Faune Ent. Can., iii, p. 106, 1887, *Resthenia.*
Harrington, Ottawa Nat., vi, p. 27, 1892, *Resthenia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Resthenia.*
Slosson, Ent. News, v, p. 5, 1894, *Resthenia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Resthenia.*
Gillette and Baker, Hemip. Colo., p. 30, 1895, *Resthenia.*
Montgomery, Ent. News, xiii, p. 13, 1902, *Resthenia.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906, *Resthenia.*
Barber, Brookl. Inst. Sci. Bul., i, p. 278, 1906, *Resthenia.*
Moore, Can. Ent.. xxxix, p. 163, 1907, *Resthenia.*
Van Duzee, Can. Ent., xl, p. 112, 1908, *Resthenia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909, *Resthenia.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910, *Resthenia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Resthenia.*
Parshley, Psyche, xxi, p. 141, 1914, *Resthenia.*
Localities: Ont., Me., N. H., Mass., N. Y., N. J., Pa., Ga., Fla., Ia., Texas.

910. **Platytylellus rubrovittatus** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 318, 1862, *Resthenia.*
Reuter, Caps. Am. Bor., p. 65, 1876, *Resthenia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Resthenia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Resthenia.*
Localities: Mass., Fla., Colo., Texas. (Mexico.)

911. **Platytylellus circumcinctus** (Say)

Say, Heter. N. Harm., p. 23, 1832; Fitch reprint, p. 787; Compl. Writ., i, p.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893, *Lopidea.* [343, *Capsus.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 249, 1894, *Resthenia.*
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Resthenia.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910, *Resthenia.*
Localities: N. J., Pa., Ind., Utah. (Mexico.)

912. **Platytylellus incisus** (Walk.)

Walker, Cat. Heter., vi, p. 92, 1873, *Capsus.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 204, 1904, *Resthenia.*
Locality: Fla.

[**Platytylellus eremicola** Uhl. MS]

Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Resthenia.*
Locality: Colo.

Genus **Opistheuria** Reut.
Logotype *latipennis* (Stål)

Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 170, 1907.
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, pp. 10, 50, 1913 [names *latipennis* type).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

913. **Opistheuria clandestina** Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 110, 1915. [1909.
Resthenia sp. (No. 143) Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181,
Locality: Fla.

Genus **Oncerometopus** Reut.
Logotype *nigriclavus* Reut.

Reuter, Caps. Am. Bor., p. 65, 1876. [scription).
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, pp. 9, 47, 1913 (de-
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 136, 1906 (names *nigriclavus* type).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.

914. **Oncerometopus nigriclavus** Reut.

Reuter, Caps. Am. Bor., p. 66, 1876.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 249, 1894.
Gillette and Baker, Hemip. Colo., p. 30, 1895.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 279, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. n. s. 113, p. 40, 1913.
Localities: Kans., Colo., Texas, Ariz., Calif.

915. **Oncerometopus ruber** Reut.

Reuter, Caps. Am. Bor., p. 66, 1876.
Gillette and Baker, Hemip. Colo., p. 30, 1895.
Localities: Colo., Texas.

TRIBE *CAPSINI* (Reut.)

Reuter, Hemip. Gymn. Eur., iii, p. 566, 1883, Div. *Capsaria.*
Atkinson, Cat. Capsidae, p. 52, 1889, Div. *Capsaria.*
Reuter, Hemip. Gymn. Eur., v, p. 5, 1896, Div. *Capsaria.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 454, 1904.
Reuter, Festsch. f. Palmen, i, pp. 21, 29, 1905, Div. *Capsaria.*
Kirkaldy, Can. Ent., xxxviii, p. 372, 1906.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 45, 1909, Div. *Capsaria.*

Reuter, Neark. Caps., p. 9, 1909, Div. *Capsaria.* (Key.) [*Capsaria.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 129, 133, 156, 1910, Div.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 204, 205, 1916.
Van Duzee, Check List Hemip., p. 37, 1916.
Miridiaria Reuter, Rev. Crit. Caps., i, p. 76, 1875 (Division).
Reuter, Genera Cimic. Eur., p. 5, 1875 (Division).
Uhler, Check List, p. 17, 1886.

DIVISION *MYRMECORARIA* Reut.

Reuter, Hemip. Gymn. Eur., iii, p. 564, 1883.
Reuter, Festsch. f. Palmen, i, pp. 22, 29, 1905.
Kirkaldy, Can. Ent., xxxviii, p. 372, 1906, Tribe *Myrmecorini.*
Oshanin, Verz. Palae. Hemip., i, p. 647, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 205, 1916.
Van Duzee, Check List Hemip., p. 37, 1916.

Genus **Mimoceps** Uhl.
Logotype *insignis* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 83, 1890.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 145, 1906 (names *insignis* type).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

916. **Mimoceps insignis** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 84, 1890.
Localities: N. Y., Ill.

917. **Mimoceps gracilis** Uhl.

¶Van Duzee, Can. Ent., xxi, p. 4, 1889 (MS name).
Uhler, Trans. Md. Acad. Sci., i, p. 85, 1890.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Van Duzee, Can. Ent., xliv, p. 322, 1912. [*Globiceps.*
†*flavomaculatus* Provancher, Pet. Faune Ent. Can., iii, p. 147, 1887,
Localities: Ont., N. Y., Ia., Utah.

DIVISION *PITHANARIA* (D. & S.)

Pithanidae Douglas and Scott, Brit. Hemip., pp. 28, 280, 1865 (Family).

Genus **Pithanus** Fieb.
Haplotype *maerkelii* H. S.

Fieber, Wien. Ent. Monat., ii, p. 303, 1858.
Fieber, Europ. Hemip., pp. 61, 239, 1861.
Douglas and Scott, Brit. Hemip., p. 280, 1865.
Reuter, Genera Cimic. Eur., p. 25, 1875.
Reuter, Rev. Crit. Caps., i, p. 87, ii, p. 103, 1875.
Hüeber, Synop. deut. Blindw., i, p. 26, 1894.
Reuter, Festsch. f. Palmen, i, pp. 23, 31, 1905.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 134, 1910.

918. **Pithanus maerkelii** (H. S.)

Herrich–Schaeffer, Wanz. Ins., iv, p. 78, fig. 406, 1839, *Capsus.*
Kirschbaum, Rhyn. geg. v. Wiesbd., i, Capsidae, p. 44, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 513, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 239, 1861.

Walker, Cat. Heter., vi, p. 88, 1873, *Capsus.*
Douglas and Scott, Brit. Hemip., p. 281, pl. 10, fig. 3, 1865.
Reuter, Rev. Crit. Caps., ii, p. 103, 1875.
Saunders, Trans. Ent. Soc. Lond. for 1875, p. 254.
Atkinson, Cat. Capsidae, p. 30, 1889.
Saunders, Hemip. Heter., Brit. Isds., p. 219, pl. 20, fig. 1, 1892.
Hüeber, Synop. deut. Blindw., i, p. 26, 1894.
Olsen, Bul. Brookl. Ent. Soc., x, p. 34, 1915.
Parshley, Ent. News, xxvii, p. 104, 1916. [*Capsus.*
flavolimbatus (Boheman), Kong. Vet. Akad. Handl. for 1849, p. 252,
vittatus (Dahlbon), Kong. Vet. Akad. Handl. for 1850, p. 205, *Cyllecoris.*
Localities: Nov. Sco., Me., N. Y. (Europe.)

DIVISION *PHYTOCORARIA* (Doug. & Scott)

Douglas and Scott, Brit. Hemip., pp. 29, 299, 1865, Fam. *Phytocoridae* (part).
Reuter, Rev. Crit. Caps., i, p. 76; ii, p. 19, 1875.
Reuter, Genera Cimic. Eur., pp. 6, 10, 1875.
Reuter, Deut. Ent. Zeit., xxi, p. 25, 1877.
Uhler, Check List, p. 18, 1886 (part).
Provancher, Pet. Faune Ent. Can., iii, p. 96, 1886, *Phytocorides.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 448, 1904.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.
Van Duzee, Check List Hemip., p. 37, 1916.
Garganaria Reuter, Festschr. f. Palmen, i, pp. 18, 28, 1905 (Division).

Genus **Paraxenetus** Reut.
Logotype *bracteatus* (Dist.)

Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 46, 1909.
Reuter, Neark. Caps., pp. 9, 13, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

919. **Paraxenetus guttulatus** (Uhl.)

Uhler, Ent. Am., iii, p. 150, 1887, *Eucerocoris.*
Smith, Cat. Ins. N. J., edn. 3, 132, 1900, *Eucerocoris.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Eucerocoris.*
Barber, Brookl. Inst., Sci. Bul., i, p. 281, 1906, *Eucerocoris.*
Banks, Ent. News, xviii, p. 425, 1907, *Eucerocoris.*
Reuter, Neark. Caps., p. 13, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Localities: N. Y., N. J., Md., Ill., Texas.

Genus **Neurocolpus** Reut.
Haplotype *nubilus* (Say)

Reuter, Caps. Am. Bor., p. 69, 1876.
Reuter, Neark. Caps., p. 10, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

920. **Neurocolpus nubilus** (Say)

Say, Heter. N. Harm., p. 22, 1832; Fitch reprint, p. 786; Compl. Writ., i, p.
Reuter, Caps. Am. Bor., p. 70, 1876. [341, *Capsus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 317, 1876; iii, p. 413, 1877, *Phytocoris.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1327, *Phytocoris.*

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 403, 1878, *Phytocoris*.
Provancher, Pet. Faune Ent. Can., iii, p. 111, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887; xxi, p. 3, 1889.
Townsend, Can. Ent., xxiv, p. 193, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p. 123, 1893
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 255, 1894.
Gillette and Baker, Hemip. Colo., p. 33, 1895.
Smith, Cat. Ins. N. J., edn. 3, p. 129, 1900.
Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 252, pl. 6, fig. 24.
Needham, Psyche, x, p. 26, 1903.
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 110, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Barber, Brookl. Inst. Sci. Bul., i, p. 279, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 180, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Parshley, Psyche, xxi, p. 141, 1914.

hirsutulus (Walker), Cat. Heter., vi, p. 95, 1873, *Capsus*.
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 205, 1904.
[*Capsus affinis* Distant seems to be distinct from this species.]
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., N. C., Ga., Fla., Ohio, Colo., Texas.

921. **Neurocolpus mexicanus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 262, pl. 23, fig. 5, 1883; p. 427, 1893.
Reuter, Neark. Caps., p. 13, 1909.
Localities: N. Mex., Ariz.

Genus **Phytocoris** Fall.
Type *populi* (Linn.)

Fallén, Spec. Nova Hemip., p. 10, 1814.
Fallén, Hemip. Suec., Cimic., p. 76, 1829.
Herrich-Schaeffer, Nomen. Ent., i, pp. 36, 42, 1835.
Burmeister, Handb. d. Ent., ii, p. 265, 1835.
Spinola, Essai sur les Hémip., p. 187, 1837 (1840).
Blanchard, Hist. des Ins. Hémip., p. 136, 1840.
Westwood, Intr. Mod. Classif. Ins., Synop., p. 122, 1840 (names *populi* type).
Amyot and Serville, Hémip., p. 278, 1843.
Spinola, Tavola Sinot., p. 43, 1850.
Kirschbaum, Rhyn. Geg. v. Wiesbd., Caps., pp. 8, 38, 1855.
Flor, Rhyn. Livl., i, p. 411, 1860.
Fieber, Wien. Ent. Monat., ii, p. 306, 1858.
Fieber, Europ. Hemip., pp. 65, 258, 1861.
Douglas and Scott, Brit. Hemip., p. 301, 1865.
Thomson, Opusc. Ent., iv, p. 417, 1871.
Reuter, Rev. Crit. Caps., i, p. 79; ii, p. 19, 1875.
Reuter, Genera Cimic. Eur., p. 10, 1875.
Provancher, Pet. Faune Ent. Can., iii, p. 107, 1887.

Reuter, Hemip., Gymn. Eur., v, p. 242, 1888.
Reuter, Neark. Caps., pp. 9, 14, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916. [Reut.).
Compsocerocoris Reuter, Caps. Am. Bor., p. 70, 1876 (type *annulicornis*
Callodemas Uhler, Hemip. Colo., p. 33, 1895 (haplotype *laevis* Uhl.).

922. **Phytocoris lasiomerus** Reut.

Reuter, Neark. Caps., p. 34, 1909.
Parshley, Psyche, xxi, p. 141, 1914.
†*scrupeus* Provancher, Pet. Faune Ent. Can., iii, p. 108, 1887.
†*pallidicornis* Van Duzee, Can. Ent., xix, p. 70, 1887; xxi, p. 3, 1889.
Harrington, Ottawa Nat., vi, p. 27, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
†*annulicornis* Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905. [123, 1893.
Localities: Quebec, Ont., Me., N. Y., Ia., Colo.

923. **Phytocoris pallidicornis** Reut.

Reuter, Caps. Am. Bor., p. 69, 1876.
Gillette and Baker, Hemip. Colo., p. 33, 1895.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
§*pallicornis* Reuter, Neark. Caps., p. 33, 1909.
Localities: Me., Mass., N. Y., Wis., Colo.

924. **Phytocoris laevis** (Uhl.)

Uhler, Hemip. Colo., p. 33, 1895, *Callodemas*.
Reuter, Neark. Caps., p. 14, 1909.
Localities: Colo.

925. **Phytocoris interspersus** Uhl.

Uhler, Hemip. Colo., p. 32, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907.
Reuter, Neark. Caps., p. 19, 1909.

a. var. **signifer** Reut.

Reuter, Neark. Caps., p. 19, 1909.
Localities: Colo., Utah, N. Mex., Calif.

926. **Phytocoris canescens** Reut.

Reuter, Neark. Caps., p. 30, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 19, 1914.
Localities: Calif., Utah?

927. **Phytocoris minutulus** Reut.

Reuter, Neark. Caps., p. 24, 1909.
Localities: N. Y., Md.

928. **Phytocoris antennalis** Reut.

Reuter, Neark. Caps., p. 32, 1909.
Localities: Mass., N. Y., D. C.

929. **Phytocoris bipunctatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 77, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
†*antennalis* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 180, 1909.
Locality: Fla.

930. **Phytocoris annulicornis** (Reut.)

Reuter, Caps. Am. Bor., p. 70, 1876, *Compsocerocoris.*
Distant, Biol. Centr. Am., Heter., i, p. 261, 1883, *Compsocerocoris.*
Riley, N. Am. Fauna, vii, p. 249, 1893, *Compsocerocoris.*
? Gillette and Baker, Hemip. Colo., p. 33, 1895, *Compsocerocoris.*
? Osborn, Ohio Nat., i, p. 12, 1900, *Compsocerocoris.*
? Montgomery, Ent. News, xiii, p. 13, 1902, *Compsocerocoris.*
? Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Compsocerocoris.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904, *Compsocerocoris.*
Reuter, Neark. Caps., p. 33, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
Localities: Me., Mass.(?), Pa.(?), Ohio(?), Texas, N. Mex., Colo., Calif.

931. **Phytocoris angustulus** Reut.

Reuter, Neark. Caps., p. 29, 1909.
Locality: W. Va.

932. **Phytocoris fenestratus** Reut.

Reuter, Neark. Caps., p. 24, 1909.
Localities: D. C., N. C., Ga.

933. **Phytocoris inops** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 413, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 402, 1878.
Uhler, Check List., p. 18, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 110, 1887.
Gillette and Baker, Hemip. Colo., p. 33, 1895, *Neurocolpus.*
Smith, Cat. Ins. N. J., edn. 2, p. 129, 1900, *Paracalocoris.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
Localities: Ont., Mass., N. Y., Pa., W. Va., Fla.

934. **Phytocoris eximius** Reut.

Reuter, Caps. Am. Bor., p. 67, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 119, 1887.
Van Duzee, Can. Ent., xix, p. 70, 1887; xxi, p. 3, 1889.
Harrington, Ottawa Nat., vi, p. 27, 1892.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Uhler, Proc. Ent. Soc. Wash., ii, p. 376, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 252, 1894.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 191.
Montgomery, Ent. News, xiii, p. 13, 1902.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.

Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 180, 1909.
Reuter, Neark. Caps., p. 23, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Parshley, Psyche, xxi, p. 141, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 17, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., Fla., Texas, Calif. (West Indies.)

935. **Phytocoris heidemanni** Reut.

Reuter, Neark. Caps., p. 27, 1909.
Localities: N. Mex., Ariz., Nev.

936. **Phytocoris subnitidulus** Reut.

Reuter, Neark. Caps., p. 26, 1909.
Localities: Md., D. C.

937. **Phytocoris vittatus** Reut.

Reuter, Neark. Caps., p. 28, 1909.
Locality: N. Y.

938. **Phytocoris fumatus** Reut.

Reuter, Neark. Caps., p. 25, 1909.
Localities: D. C., Ga.

939. **Phytocoris validus** Reut.

Reuter, Neark. Caps., p. 31, 1909.
Locality: Colo.

940. **Phytocoris lineatus** Reut.

Reuter, Neark. Caps., p. 30, 1909.
Locality: Colo.

941. **Phytocoris palmeri** Reut.

Reuter, Neark. Caps., p. 32, 1909.
†*annulicornis* Van Duzee, Can. Ent., xl, p. 113, 1908, *Compsocerocoris*.
Locality: Quebec.

942. **Phytocoris bakeri** Reut.

Reuter, Neark. Caps., p. 28, 1909.
Locality: Calif.

943. **Phytocoris vau** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 478, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 15, 1914.
Locality: Calif.

944. **Phytocoris roseus** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 253, 1894, *Compsocerocoris*.
Reuter, Neark. Caps., p. 27, 1909.
Van Duzee, Trans. San Diego Soc. Nat. His., ii, p. 19, 1914.
Locality: Calif.

945. **Phytocoris ramosus** Uhl.

Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 252, 1894.
Localities: Ariz., Calif.

946. **Phytocoris formosus** Van D.

Van Duzee, Check List Hemip., p. 37, 1916 (n.n. for *reuteri* Van D.).
‖*reuteri* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 18, 1914.
Locality: Calif.

947. **Phytocoris jucundus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 17, 1914.
Locality: Calif.

948. **Phytocoris cunealis** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 16, 1914.
Locality: Calif.

949. **Phytocoris infuscatus** Reut.

Reuter, Neark. Caps., p. 20, 1909 (as var. of *puella*).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, pp. 16, 17, 1914.
Localities: Ont., N. Y., D. C., N. C.

950. **Phytocoris rufoscriptus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 15, 1914.
Locality: Calif.

951. **Phytocoris puella** Reut.

Reuter, Caps. Am. Bor., p. 69, 1876.
Heidemann, Proc. Ent. Soc., Wash., ii, p. 226, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Moore, Can. Ent., xxxix, p. 163, 1907.
Reuter, Neark. Caps., p. 20, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 129, 1910.
a. var. **confluens** Reut.
Reuter, Neark. Caps., p. 20, 1909.
Localities: Ont., Mass., N. Y., N. J., Md., D. C., N. C., Fla., Kans.

952. **Phytocoris tibialis** Reut.

Reuter, Caps. Am. Bor., p. 68, 1876.
Van Duzee, Can. Ent., xix, p. 70, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Harrington, Ottawa Nat., viii, p. 66, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Reuter, Neark. Caps., p. 20, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Van Duzee, Can. Ent., xliv, p. 320, 1912. [*Compsocerocoris.*
vilis Distant, Biol. Centr. Am., Heter., i, p. 260, pl. 25, fig. 13, 1883,
†*pallidicornis* Provancher, Pet. Faune Ent. Can., iii, p. 108, 1887.
Localities: Ont., N. Y., N. J., Pa., Md., Va., Wis., Texas, Ia.
(Neotropical.)

953. **Phytocoris conspersipes** Reut.

Reuter, Neark. Caps., p. 22, 1909.
†*breviusculus* Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Localities: Ont., Mass., N. Y., N. J., D. C.

954. **Phytocoris breviusculus** Reut.

Reuter, Caps. Am. Bor., p. 68, 1876.
Reuter, Neark. Caps., p. 21, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Localities: Kans., Colo., Texas.

955. **Phytocoris politus** Reut.

Reuter, Neark. Caps., p. 21, 1909.
Localities: N. Mex., Ariz., Nevada.

956. **Phytocoris vanduzei** Reut.

Reuter, Of. Finska Vet. Akad. Forh., liv, Afd. A, No. 7, p. 30, 1912 (n.n. for
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 512, 1912. [*marmoratus* Van D.
‖*marmoratus* (Van Duzee), Trans. Am. Ent. Soc., xxxvi, p. 78, 1910,
[*Dichrooscytus*
Locality: N. Mex.

957. **Phytocoris rufus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 477, 1912.
Locality: Fla.

958. **Phytocoris mundus** Reut.

Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892 (MS name).
Reuter, Neark. Caps., p. 18, 1909.
Localities: Md., D. C.

Genus **Ecertobia** Reut.
Haplotype *decora* Reut.

Reuter, Neark. Caps., pp. 10, 36, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

959. **Ecertobia decora** Reut.

Reuter, Neark. Caps., p. 36, 1909.
Localities: Colo.

Genus **Creontiades** Dist.
Haplotype *rubrinerve* (Stål)

Distant, Biol. Centr. Am., Heter., i, p. 237, 1883.
Kirkaldy, Trans. Am. Ent. Soc., xxxiii, p. 138, 1906.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 157, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.
Pantiliodes Noualhier, Ann. Soc. Ent. Fr., lxii, p. 15, 1893 (haplotype
Reuter, Hemip. Gymn. Eur., v, p. 237, 1896. [*punctum* Reut.).
Kangra Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 257.

960. **Creontiades rubrinervis** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 321, 1862, *Megacoelum*.
Distant, Biol. Centr. Am., Heter., i, p. 237, pl. 23, fig. 12, 1883.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 255, 1894, *Calocoris*.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 191, *Calocoris*.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907; ix, p. 179, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 4, 1913 (descrip-
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914. [tion).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 19, 1914.
Localities: Fla., Calif.

961. **Creontiades filicornis** (Walk.)
Walker, Cat. Heter., vi, p. 96, 1873, *Capsus.*
Uhler, Check List, p. 18, 1886, *Megacoelum.*
Distant, Ann. Mag. Nat. Hist., Ser. 7, xiii, p. 106, 1904.
Locality: Fla.

962. **Creontiades signatus** (Dist.)
Distant, Biol. Centr. Am., Heter., i, p. 269, pl. 23, fig. 11, 1884, *Megacoelum.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Locality: Texas.

963. **Creontiades femoralis** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 19, 1914.
Locality: Calif.

964. **Creontiades debilis** Van D.
Van Duzee, Pomona Jl. Ent. Zool., vii, p. 111, 1915.
Localities: Ga., Fla.

Genus **Allorhinocoris** Reut.
Haplotype *flavus* J. Sahlbg.

Reuter, Pet. Nouv. Ent., ii, p. 33, 1876.
Reuter, Hemip. Gymn. Eur., v, pp. 322, 356, 1896.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

965. **Allorhinocoris flavus** J. Sahlbg.
J. Sahlberg, Vet. Akad. Handl., xvi, No. 4, p. 24, 1878.
Atkinson, Cat. Capsidae, p. 53, 1889.
Oshanin, Verz. Palae. Hemip., i, p. 650, 1909.
†*prasinus* Reuter, Pet. Nouv. Ent., ii, No. 147, p. 33, 1876.
Reuter, Hemip. Gymn. Eur., v, p. 323, 1896.
Localities: Oregon. (Palaearctic.)

Genus **Adelphocoris** Reut.
Type *seticornis* Fabr.

Reuter, Of. Finska Vet. Soc. Forh., xxxviii, p. 168, 1896.
Reuter, Hemip. Gymn. Eur., v, pp. 209, 354, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 138, 1906.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

966. **Adelphocoris rapidus** (Say)
Say, Heter. N. Harm., p. 20, 1832; Fitch reprint, p. 783; Compl. Writ., i, p.
Uhler, Proc. Ent. Soc. Phila., i, p. 24, 1861, *Capsus.* [339, *Capsus.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 410, 1872, *Calocoris.*
Walker, Cat. Heter., vi, p. 91, 1873, *Capsus.*
Reuter, Caps. Am. Bor., p. 70, 1876, *Calocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876; iii, p. 415, 1877, *Calocoris.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Calocoris.*

Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878, *Calocoris.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 401, 1878, *Deraeocoris.*
Provancher, Pet. Faune Ent. Can., iii, p. 113, 1887, *Calocoris.*
Van Duzee, Can. Ent., xix, p. 71, 1887; xxi, p. 3, 1889, *Calocoris.*
Harrington, Ottawa Nat., vi, p. 27, 1892, *Calocoris.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Calocoris.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Calocoris.*
Slosson, Ent. News, v, p. 5, 1894, *Calocoris.*
Gillette and Baker, Hemip. Colo., p. 34, 1895, *Calocoris.*
Montgomery, Ent. News, xiii, p. 13, 1902, *Calocoris.*
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904, *Calocoris.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Calocoris.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Calocoris.*
Barber, Brookl. Inst., Sci. Bul., i, p. 279, 1906, *Calocoris.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, pp. 152, 179, 1906; pt. 2, p. 159,
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907, *Calocoris.* [1907, *Calocoris.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Calocoris.*
Van Duzee, Can. Ent., xl, p. 113, 1908.
Reuter, Neark. Caps., p. 36, 1909.
Bueno, Can. Ent., xlii, p. 29, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Webster and Stoner, Jl. N. Y. Ent. Soc., xxii, p. 229, 1914.
Parshley, Ent. News, xxvi, p. 208, 1915 (Anatomy).

multicolor Herrich-Schaeffer, Wanz. Ins., viii, p. 19, fig. 795, 1848, *Capsus.*
Reuter, Caps. Am. Bor., p. 70, 1876, *Calocoris.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Miss., Wis., Kans., Ia., Colo., Texas, N. Mex., Ariz., Calif.

967. **Adelphocoris superbus** (Uhl.)

Uhler, Wheeler's Rept. 100th Merid., v, p. 838, pl. 42, fig. 3, 1875, *Calocoris.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Calocoris.*
Townsend, Can. Ent., xxiv, p. 193, 1892, *Calocoris.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Calocoris.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, 123, 1893, *Calocoris.*
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 255, 1894, *Calocoris.*
Gillette and Baker, Hemip. Colo., p. 34, 1895, *Calocoris.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Calocoris.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906; pt. 2, p. 159, 1907,
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907. [*Calocoris.*
Reuter, Neark. Caps., p. 36, 1909.
Localities: Ia., Kans., Colo., Utah, N. Mex., Ariz.

968. **Adelphocoris palmeri** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 410, 1872, *Calocoris.*
Uhler, Wheeler's Surv. 100th Merid., v, p. 838, pl. 42, fig. 4, 1875, *Calocoris.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876, *Calocoris.*
Localities: Colo., Ariz.

Genus **Stenotus** Jak.
Type *sareptanus* Jak. = *binotatus* Fabr.

Jakowleff, Bul. Soc. Nat. Mosc., lii, pt. 2, p. 288, 1877.
Reuter, Hemip. Gymn. Eur., v, pp. 122, 351, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906 (names *sareptanus* type).

Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 7, p. 10, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.
‖*Oncognathus* Fieber, Wien. Ent. Monat., ii, p. 303, 1858.
Fieber, Europ. Hemip., pp. 63, 246, 1861.
Reuter, Rev. Crit. Caps., i, p. 81; ii, p. 40, 1875.
Reuter, Genera Cimic. Eur., p. 15, 1875.
Koraciocapsus Kirkaldy, Trans. Ent. Soc. Lond. for 1903, pt. 2, p. 280.

969. **Stenotus binotatus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 172, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 235, 1803, *Lygaeus.*
Fallén, Monog. Cimic. Suec., p. 75, 1807, *Lygaeus.*
Fallén, Hemip. Suec. Cimic., p. 78, 1829, *Phytocoris.*
Herrich-Schaeffer, Nomen. Ent., i, p. 50, 1835, *Capsus.*
Herrich-Schaeffer, Wanz. Ins., iii, p. 77, fig. 296, 1835, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 59, 1855, *Capsus* (*Deraeocoris*).
Fieber, Wien. Ent. Monats., ii, p. 303, 1859, *Oncognathus.*
Flor, Rhyn. Livl., i, p. 499, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 246, 1861, *Oncognathus.*
Douglas and Scott, Brit. Hemip., p. 323, 1865, *Deraeocoris.*
Thomson, Opusc. Ent., iv, p. 422, 1871, *Capsus* (*Phytocoris*).
Reuter, Rev. Crit. Caps., ii, p. 41, 1875, *Oncognathus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Oncognathus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Oncognathus.*
Howard, Insect Life, v, p. 90, 1892, *Oncognathus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Oncognathus.*
Reuter, Hemip. Gymn. Eur., v, p. 123, pl. 5, fig. 5, 1896.
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Oncognathus.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Oncognathus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912. [ii, p. 609, 1806, *Cimex. paykulli* (Turton), *in* Linnaeus, Syst. Nat., Gmelin's edn. 13, Eng. Trans., *sareptanus* Jakowleff, Bul. Soc. Nat. Mosc., lii, p. 289, 1877.

Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., Mich., Br. Col. (Palaearctic.)

Genus **Ganocapsus** Van D.
Orthotype *filiformis* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 481, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

970. **Ganocapsus filiformis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 481, 1912.
Locality: Ariz.

Genus **Garganus** Stål
Logotype *albidivittis* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 321, 1862.
Distant, Biol. Centr. Am., Heter., i, p. 266, 1884.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 137, 1906 (names *albidivittis* type).
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 49, 1909.

Reuter, Neark. Caps., pp. 10, 37, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 6, 1913 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 206, 1916.

971. **Garganus fusiformis** (Say)

Say, Heter. N. Harm., p. 24, 1832; Fitch reprint, p. 789; Compl. Writ., i, p. [344, *Capsus.*
Stål, Stet. Ent. Zeit., xxiii, p. 322, 1862.
Walker, Cat. Heter., vi, p. 66, 1873, *Cyllocoris.*
Van Duzee, Can. Ent., xix, p. 72, 1887.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Seiss, Ent. News, viii, p. 67, 1897.
Osborn, Ohio Nat., i, p. 12, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 61, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
croceipes Herrich-Schaeffer, Wanz. Ins., viii, p. 16, fig. 792, 1848, *Capsus.*
Walker, Cat. Heter., vi, p. 92, 1873, *Capsus.*
Localities: Ont., Mass., N. Y., N. J., Pa., Fla., Kans.

972. **Garganus albidivittis** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 322, 1862.
Walker, Cat. Heter., vi, p. 66, 1873, *Cyllocoris.*
Distant, Biol. Centr. Am., Heter., i, p. 266, pl. 25, fig. 23, 1884.
Uhler, Check List, p. 20, 1886.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 166, 1909.
Banks, Cat. Hemip., p. 44, 1910. [tion).
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 6, 1913 (descrip-
Locality: Texas (Banks).

Genus **Ectopiocerus** Uhl.
Haplotype *anthracinus* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 73, 1890.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 33, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

973. **Ectopiocerus anthracinus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 73, 1890.
? Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910 (probably erroneous).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
Localities: Calif. (N. J. doubtful.)

Genus **Irbisia** Reut.
Haplotype *sericans* Stål

Reuter, Of. Finska Vet.-Soc. Forh., xxi, p. 57, 1879.
Reuter, Zool. Jahrb. for 1879, p. 509.
Reuter, Rev. d'Ent., ix, p. 253, 1890.
Reuter, Hemip. Gymn. Eur., v, pp. 11, 348, 1896.
Reuter, Neark. Caps., p. 13, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

974. **Irbisia sericans** (Stål)

Stål, Stet. Ent. Zeit., xix, p. 188, 1858, *Leptomerocoris.*
Reuter, Of. Finska Vet.-Soc. Forh., xxi, p. 58, 1879.
Bergroth, Ent. Nachr., xi, p. 270, 1885.
Reuter, Hemip. Gymn. Eur., v, p. 12, 1896.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 504, 1900.
Essig, Inj. Ben. Ins. Calif., edn. 2, p. 213, 1915.
Localities: Alaska, Oregon, Calif.

975. **Irbisia brachycerus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 416, 1872, *Rhopalotomus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876, *Rhopalotomus.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Capsus* (spelled *brachycorus*).
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 267, 1894, *Thyrillus.*
Gillette and Baker, Hemip. Colo., p. 39, 1895, *Thyrillus.*
Cockerell, Can. Ent., xlii, p. 370, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 24, 1914.
Essig, Inj. Ben. Ins. Calif., edn. 2, p. 213, 1915.

a. var. **solani** Heid.

Heidemann, Proc. Ent. Soc. Wash., xli, p. 200, 1910.
Localities: Idaho, Utah, N. Mex., Calif., Wash.

Genus **Thyrillus** Uhl.
Logotype *pacificus* Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 266, 1894.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

976. **Thyrillus pacificus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Rhopalotomus* [(name only).
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 415, 1872, *Rhopalotomus* de-
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876, *Rhopalotomus.* [scription).
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 267, 1894.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 24, 1914, *Irbisia.*
Essig, Inj. Ben. Ins. Calif., edn. 2, p. 215, 1915.
Localities: Mont. Idaho, Nevada, Calif., Wash., Vanc. Isd.

DIVISION *DICHROOSCYTARIA* (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 34, 477, 1865, *Dichrooscytidae.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 206, 207, 1916.

Genus **Pycnocoris** Van D.
Orthotype *ursinus* Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 23, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

977. **Pycnocoris ursinus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 24, 1914.
Locality: Calif.

Genus **Lampethusa** Dist.
Haplotype *anatina* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 303, 1884.
Reuter, Of. Finn. Vet. Akad. Forh., li, No. 25, p. 1, 1909 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

978. **Lampethusa anatina** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 303, pl. 29, fig. 13, 1884; p. 451, 1893.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 279, 1906.
Localities: Texas, Ariz. (Guatemala.)

Genus **Paracalocoris** Dist.
Logotype *jurgiosus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 263, 1883.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 449, 1904.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 137, 1906 (names *jurgiosus* type).
Reuter, Neark. Caps., p. 38, 1909.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 51, 1907 (redescribed).
Reuter, Ann. Soc. Ent. Belg., liv, p. 49, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.
McAtee, Ann. Ent. Soc. Am., ix, p. 366, 1917 (monograph).

979. **Paracalacoris scrupeus** (Say)

Say, Heter. N. Harm., p. 23, 1832; Fitch reprint, p. 791; Compl. Writ., i, p.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 317, 1876, *Phytocoris*. [342, *Capsus*.
Distant, Biol. Centr. Am., Heter., i, p. 271, 1884, *Capsus*.
Van Duzee, Can. Ent., xix, p. 70, 1887, *Phytocoris* (§*scrupens*).
Atkinson, Cat. Capsidae, p. 66, 1889, *Phytocoris*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894, *Phytocoris*.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Phytocoris*.
Reuter, Neark. Caps., p. 39, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
McAtee, Ann. Ent. Soc. Am., ix, p. 368, 1916 (with 15 new varieties).
tetrastigma Herrich-Schaeffer, Wanz. Ins., ix, p. 166, fig. 959, 1853, *Capsus*.
(The description of this species will be found under the name *divisus* on page 167 of the work cited.)

a. var. **externus** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 16, fig. 791, 1848, *Capsus*.
Walker, Cat. Heter., vi, p. 91, 1873, *Capsus*.
Localities: Ont., Conn., N. Y., N. J., Pa., Ga., Colo.

980. **Paracalocoris colon** (Say)

Say, Heter. N. Harm., p. 25, 1832; Fitch reprint, p. 791; Compl. Writ., i, p.
Uhler, Check List, p. 18, 1886, *Phytocoris*. [346, *Capsus*.
Provancher, Pet. Faune Ent. Can., iii, p. 108, 1887, *Phytocoris*.
Van Duzee, Can. Ent., xix, p. 70, 1887; xxi, p. 3, 1889, *Phytocoris*.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Phytocoris*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894, *Phytocoris*.
Gillette and Baker, Hemip. Colo., p. 32, 1895, *Phytocoris*.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904, *Phytocoris*.
Reuter, Neark. Caps., p. 39, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
Knight, Jl. Econ. Ent., viii, p. 297, 1915. (Oviposition.)
McAtee, Ann. Ent. Soc. Am., ix, p. 381, 1917 (with 3 new varieties).
Localities: Ont., Mass., N. Y., Pa., Kans., Colo.

981. **Paracalocoris deleticus** Reut.

Reuter, Neark. Caps., p. 39, 1909.
McAtee, Ann. Ent. Soc. Am., ix, p. 389, 1917.
Locality: Colo.

982. **Paracalocoris heidemanni** Reut.

Reuter, Neark. Caps., p. 40, 1909.
McAtee, Ann. Ent. Soc. Am., ix, p. 385, 1917 (and 1 variety).
Localities: Md., W. Va.

983. **Paracalocoris multisignatus** Reut.

Reuter, Neark. Caps., p. 40, 1909.
McAtee, Ann. Ent. Soc. Am., ix, p. 387, 1917.
Locality: D. C.

984. **Paracalocoris jurgiosus** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 320, 1862, *Calocoris*.
Distant, Biol. Centr. Am., Heter., i, p. 263, pl. 25, fig. 17, 1883.
Banks, Cat. Nearc. Hemip., p. 47, 1910.
McAtee, Ann. Ent. Soc. Am., ix, p. 387, 1917.
Localities: Texas. (Mexico.)

984⅛. **Paracalocoris adustus** McAtee

McAtee, Ann. Ent. Soc. Am., ix, p. 377, 1917.
Locality: N. J.

984¼. **Paracalocoris hawleyi** Knight

Knight, Ann. Ent. Soc. Am., ix, p. 377, 1917 (and 3 varieties).
Localities: Mass., N. Y., Md.

984½. **Paracalocoris limbus** McAtee

McAtee, Ann. Ent. Soc. Am., ix, p. 380, 1917.
Locality: Ga.

984¾. **Paracalocoris acceptus** McAtee

McAtee, Ann. Ent. Soc. Am., ix, p. 389, 1917.
Locality: N. Mex.

[**Paracalocoris instabilis** Uhl. MS]

Smith, Cat. Ins. N. J., edn. 2, p. 129, 1900.
Locality: N. J.

Genus **Calocoris** Fieb.
Logotype *affinis* H. S.

Fieber, Wien. Ent. Zeit., ii, p. 305, 1858.
Fieber, Europ. Hemip., pp. 65, 251, 1861.
Thomson, Opusc. Ent., iv, p. 419, 1871 (as subgenus of *Capsus*).
Reuter, Rev. Crit. Caps., i, p. 80; ii, p. 29, 1875.
Reuter, Genera Cimic. Eur., p. 11, 1875.
Distant, Biol. Centr. Am., Heter., i, p. 266, 1884.
Reuter, Hemip. Gymn. Eur., v, pp. 160, 354, 1896. [pseudotype).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 451, 1904 (names *lineolatus* Goeze

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 137, 1906 (names *affinis* Fieb. type).
Reuter, Neark. Caps., p. 11, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.
‖*Lophyrus* Kolenati, Melet. Ent., ii, p. 106, 1845 (type *sexguttatus* Fabr.).
Closterotomus Fieber, Wien. Ent. Monats., ii, p. 306, 1858 (type *bifasciatus* [Fieb. = *biclavatus* H. S.).

985. **Calocoris norvegicus** (Gmel.)

Gmelin, *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2176, 1788, *Cimex.*
Reuter, Rev. Synon., p. 259, No. 232, 1888.
Reuter, Hemip. Gymn. Eur., v, pp. 204, 377, pl. 7, fig. 4, 1896.
Atkinson, Cat. Capsidae, p. 74, 1889.
Oshanin, Verz. Palae. Hemip., i, p. 698, 1909.
Oshanin, Kat. Palae. Hemip., p. 63, 1912.
Parshley, Psyche, xxi, p. 141, 1914.
†*pabulinus* (Scopoli), Ent. Carn., p. 132, 1763 (vars. 1 and 2), *Cimex.*
Rossi, Fauna Etrus., ii, p. 251, 1790, *Cimex.*
‖*bipunctatus* Fabricius Reise Norweg., p. 346, 1779, *Cimex.*
Fabricius, Spec. Ins., ii, p. 358, 1781, *Cimex.*
Fabricius, Syst. Rhyng., p. 235, 1803, *Lygaeus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 221, 1804, *Miris.*
Fallén, Monog. Cimic. Suec., p. 75, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 486, 1828, *Phytocoris.*
Fallén, Monog. Cimic. Suec., p. 75, 1807, *Lygaeus.*
Herrich–Schaeffer, Nom. Ent., i, p. 50, 1835, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., iii, p. 79, fig. 298, 1835, *Capsus.*
Zetterstedt, Ins. Lapp., column 271, 1840, *Phytocoris.*
Rambur, Fauna And., p. 161, 1842, *Phytocoris.*
Meyer, Verz. Rhyn. Schw., p. 51, 1843, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 33, 1853, *Capsus.*
Kirschbaum, Rhyn. Wiesb., Caps., p. 60, 1855, *Capsus* (*Deraeocoris*).
Baerensprung, Cat. Hemip. Europ., p. 14, 1860.
Flor, Rhyn. Livl., i, p. 498, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 254, 1861.
Douglas and Scott, Brit. Hemip., p. 319, 1865, *Deraeocoris.*
Thomson, Opusc. Ent., iv, p. 419, 1871.
Reuter, Rev. Crit. Caps., ii, p. 37, 1875.
Reuter, Genera Cimic. Eur., p. 13, 1875.
Reuter, Caps. Am. Bor., p. 71, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 400, 1878, *Deraeocoris.*
Provancher, Pet. Faune Ent. Can., iii, p. 114, 1887.
Bergroth, Ann. Soc. Ent. Fr. for 1891, Bul., p. 66.
Saunders, Hemip. Heter. Br. Isds., pp. 239, 244, 1892.
Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 110, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910.
biguttatus (Schrank), Fauna Boic., p. 94, 1801, *Cimex.*
contiguus (Walker), Cat. Heter., vi, p. 95, 1873, *Capsus.*
stramineus (Walker), Cat. Heter., vi, p. 96, 1873, *Capsus.*
Localities: Quebec, Me., Mass., N. Y., N. J., Texas. (Palaearctic.)

986. **Calocoris fulvomaculatus** (De Geer)

De Geer, Mémoires, iii, p. 294, 1773, *Cimex.*
Fallén, Monog. Cimic. Suec., p. 81, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 489, 1828, *Phytocoris.*
Fallén, Hemip. Suec., Cimic., p. 88, 1829, *Phytocoris.*
Herrich–Schaeffer, Nomen. Ent., i, p. 48, 1835, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., iii, p. 50, fig. 267, 1836, *Capsus.*
Zetterstedt, Ins. Lapp., column 273, 1840, *Phytocoris.*
Meyer, Verz. Schw. Rhyn., p. 96, 1843, *Capsus.*
Kolenati, Melet. Ent., ii, p. 109, 1845, *Phytocoris.*
Kirschbaum, Rhyn. v. Wiesbd. Caps., p. 49, 1855, *Capsus* (*Deraeocoris*).
Baerensprung, Cat. Hemip. Eur., p. 14, 1860.
Flor, Rhyn. Livl., i, p. 505, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 253, 1861.
Douglas and Scott, Brit. Hemip., p. 316, 1865, *Deraeocoris.*
Stål, Hemip. Fabr., i, p. 85, 1868.
Thomson, Opusc. Ent., iv, p. 419, 1871, *Phytocoris.*
Reuter, Rev. Crit. Caps., ii, p. 33, 1875.
Reuter, Genera Cimic. Europ., p. 12, 1875.
Uhler, Check List, p. 18, 1886.
Reuter, Rev. Synon., p. 255, No. 227, 1888.
Reuter, Hemip. Gymn. Eur., v, pp. 184, 374, 1896.
Snow, Trans. Kans. Acad. Sci., xx, pt. 2, p. 159, 1907.
?bimaculatus (Linnaeus), Syst. Nat., edn. 10, p. 449, 1758, *Cimex.*
†*rolandri* (Retzius), Genera Sp. Ins., p. 88, 1783, *Cimex.*
†*genistae* (Schrank), Fauna Boic., p. 87, 1801, *Cimex.*
†*seticornis* (Schrank), Fauna Boic., p. 89, 1801, *Cimex.*
saltatorius (Fabricius), Syst. Rhyng., p. 239, 1803, *Lygaeus.*
femoralis (Lucas), Expl. Alger., Hemip., p. 82, pl. 3, fig. 4, 1849, *Phytocoris.*
distinguendus Garbiglietti, Cat. Hemip., Ital. Indig., p. 184, 1869.
isabellinus Westhoff, Jahrsb. Westf. Prov. Samm. Wiss. u. Kunst, ix, p. [80, 1880.
simplicicornis Strob, Mitth. Naturw. Ver. Steirm., xxxvi, p. 189, 1900, [(var. of *variegatus*).

Localities: Br. Am., Ariz. (Palaearctic.)

987. **Calocoris uhleri** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 490, 1912 (n.n. for *tinctus* Uhl.).
‖*tinctus* Uhler, Hemip. Colo., p. 34, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904.
?Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
pinicola Kirkaldy, Can. Ent., xl, p. 390, 1909 (n.n. for *pinus* Uhl., a species
Localities: N.Y.(?), Colo., N. Mex. [never published).

Genus **Poeciloscytus** Fieb.
Logotype *unifasciatus* Fabr.

Fieber, Wien. Ent. Monats., ii, p. 311, 1858.
Fieber, Europ. Hemip., pp. 68, 276, 1861.
Douglas and Scott, Brit. Hemip., p. 466, 1865.
Thomson, Opusc. Ent., iv, p. 428, 1871 (subgen. of *Capsus*).
Reuter, Rev. Crit. Caps., i, p. 83; ii, p. 64, 1875.

Provancher, Pet. Faune Ent. Can., iii, p. 127, 1887.
Reuter, Hemip. Gymn. Eur., v, pp. 52, 349, 1896.
Distant, Fauna Br. Ind., Rhyn., ii, p. 458, 1904 (names *unifasciatus* type).
Reuter, Neark. Caps., p. 12, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

988. **Poeciloscytus unifasciatus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 178, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 243, 1803, *Capsus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 230, 1804, *Capsus.*
Herrich–Schaeffer, Nomen. Ent., i, p. 51, 1835, *Capsus.*
Meyer, Verz. Schw. Rhyn., p. 104, 1843, *Capsus.*
Kolenati, Melet. Ent., ii, p. 123, 1845, *Phytocoris.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., pp. 61, 112, 1855, *Capsus.*
Fieber, Wien. Ent. Monats., ii, p. 311, 1858.
Flor, Rhyn. Livl., i, p. 544, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 276, 1861.
Douglas and Scott, Brit. Hemip., p. 467, pl. 15, fig. 6, 1865.
Stål, Hemip. Fabr., i, p. 88, 1868.
Thomson, Opusc. Ent., iv, p. 428, 1871, *Capsus.*
Reuter, Rev. Crit. Caps., ii, p. 66, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 507, 1878.
Reuter, Rev. Synon., p. 274, No. 248, 1888.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Saunders, Heter. Brit. Isds., p. 258, pl. 23, fig. 10, 1892.
Uhler, Proc. Ent. Soc. Wash., ii, p. 374, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Gillette and Baker, Hemip. Colo., p. 38, 1895.
Reuter, Hemip. Gymn. Eur., v, pp. 54, 361, 1896.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 505, 1900.
Reuter, Festschr. f. Palmen, ii, p. 18, 1905.
Van Duzee, 20th Rept., N. Y. St. Ent., p. 551, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Schumacher, Zeit. f. Wissen., Insek., v, p. 342, 1909 (life history).
?tomentosus (Villers), Ent. Faunae Suec. Descr., p. 528, 1789, *Cimex.*
semiflavus (Wolff), Icon. Cimic., iv, p. 154, fig. 148, 1804, *Miris.*
Fallén, Monog. Cimic. Suec., p. 80, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 86, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 208, fig. 107, 1831, *Phytocoris.*

a. var. **lateralis** Hahn, Wanz. Ins., ii, p. 85, fig. 169, 1834 (as var. of *semiflavus*).

b. var. **marginatus** Hahn, Wanz. Ins., ii, p. 85, fig. 170, 1834 (as var. of *semi-*[*flavus*).

Localities: Quebec, Utah. (Palaearctic.)

989. **Poeciloscytus diffusus** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 415, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876.
Gillette and Baker, Hemip. Colo., p. 38, 1895.
divergens Reuter MS, Parshley, Psyche, xxi, p. 141, 1914.
Localities: Utah, Colo.

990. **Poeciloscytus uhleri** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 23, 1914 (n.n. for *inter-* [*medius* Uhl.).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
‖*intermedius* Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 261, 1894.
Gillette and Baker, Hemip. Colo., p. 38, 1895.
Localities: Colo., Ariz., Calif.

991. **Poeciloscytus basalis** Reut.

Reuter, Caps. Am. Bor., p. 73, 1876.
Popenoe, Trans. Kans. Acad. Sci., ix, p. 63, 1885.
Provancher, Pet. Faune Ent. Can., iii, p. 127, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p. 123, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Uhler, Proc. Calif. Acad. Sci., Ser. 2, iv, p. 261, 1894.
Gillette and Baker, Hemip. Colo., p. 38, 1895.
Osborn, Ohio Nat., i, p. 12, 1900.
Smith, Cat. Ins. N. J., edn. 2, p. 130, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48. 1905.
Barber, Brookl. Inst., Sci. Bul., i, p. 280, 1906.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, pp. 152, 179, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 178, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Barber, Ann. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Parshley, Psyche, xxi, p. 141, 1914.
sericeus Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 422, 1877.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., D. C., Ga., Fla., Kans.

992. **Poeciloscytus cuneatus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 435, 1893, *Lygus*.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 192.
Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, p. 62, 1904.
Osborn, Ohio Nat., v, p. 202, 1904, *Lygus*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 31, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
obscurus Uhler, Proc. Zool. Soc. Lond. for 1893, p. 715.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Localities: Fla., Texas. (Mexico, West Indies.)

993. **Poeciloscytus elegans** Reut.

Reuter, Neark. Caps., p. 60, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 23, 1914.
Locality: Calif.

994. **Poeciloscytus basivittis** Reut.

Reuter, Neark. Caps., p. 61, 1909.
Locality: Colo.

995. **Poeciloscytus venaticus** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Charagochilus* [(name only).
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 414, 1872 (description).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876, *Systratiotus.*
Uhler, Check List, p. 19, 1886, *Systratiotus.*
Provancher, Pet. Faune Ent. Can., iii, p. 125, 1887, *Systratiotus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Systratiotus.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 374, 1893, *Systratiotus.*
Gillette and Baker, Hemip. Colo., p. 38, 1895, *Systratiotus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Systratiotus.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Systratiotus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907, *Polymerus.*
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.

rubronotatus (Provancher), Nat. Can., iv, p. 105, 1872, *Rhopalotomus.*

americanus (Reuter), Caps. Am. Bor., p. 73, 1876, *Systratiotus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Systratiotus.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Systratiotus.* [*Systratiotus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p. 123, 1893,
Uhler, Proc. Ent. Soc. Wash., ii, p. 374, 1893, *Systratiotus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Systratiotus.*
Gillette and Baker, Hemip. Colo., p. 38, 1895, *Systratiotus.*
Smith, Cat. Ins. N. J., edn. 2, p. 130, 1900, *Systratiotus.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 357, 1904, *Systratiotus.*
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904, *Systratiotus.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Systratiotus.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Systratiotus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907, *Polymerus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 178, 1909, *Polymerus.*
Reuter, Neark. Caps., p. 61, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., D. C., Fla., Ia., Kans., Colo., Utah, Texas, N. Mex., Calif., Br. Col., Manitoba.

[**Poeciloscytus pusillus** Reut. MS]

Popenoe, Trans. Kans. Acad. Sci., ix, p. 63, 1885.
Localities: Kans. (Popenoe.)

Genus **Dichrooscytus** Fieb.
Logotype *rufipennis* Fall.

Fieber, Wien. Ent. Monats., ii, p. 309, 1858.
Fieber, Europ. Hemip., pp. 67, 269, 1861.
Douglas and Scott, Brit. Hemip., p. 477, 1865.
Thomson, Opusc. Ent., iv, p. 422, 1871.
Reuter, Rev. Crit. Caps., i, p. 81; ii, p. 42, 1875.
Reuter, Hemip. Gymn. Eur., v, pp. 318, 350, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906 (names *rufipennis* type).
Reuter, Neark. Caps., p. 11, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 207, 1916.

995½. **Dichrooscytus speciosus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 236, 1916.
Locality: Calif.

996. **Dichrooscytus suspectus** Reut.

Reuter, Neark. Caps., p. 37, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 236, 1916.
†*rufipennis* Uhler, Check List, p. 18, 1886.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Localities: N. Y., N. J., D. C., Colo.

997. **Dichrooscytus elegans** Uhl.

Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892 (name only).
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Reuter, Neark. Caps., p. 38, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: Ont., N. Y., D. C., N. C., Mich., N. Mex., Calif.

998. **Dichrooscytus irroratus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 482, 1912.
Locality: Colo.

999. **Dichrooscytus maculatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 483, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Localities: Ga., Fla.

Genus **Horcias** Dist.
Logotype *variegatus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 277, 1884.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 141, 1906 (names *variegatus* type).
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 57, 1907 (redescribed).
Reuter, Neark. Caps., pp. 11, 41, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.
‖*Metriorrhynchus* Reuter, Caps. Am. Bor., p. 74, 1876 (as subgenus).
Metriorrhynchomiris Kirkaldy, Entomologist xxxvii, p. 280, 1904 (n.n. for Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 140, 1908. [*Metriorrhynchus.*

1000. **Horcias dislocatus** (Say)

Say, Heter. N. Harm., p. 21, 1832; Fitch reprint, p. 784; Compl. Writ., i, p.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878, *Lygus.* [339, *Capsus.*
Uhler, Proc. Bost. Soc. Nat. Hist, xix, p. 406, 1878, *Lygus.*
Uhler, Check List, p. 19, 1886, *Poecilocapsus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Poecilocapsus.*
Atkinson, Cat. Capsidae, p. 86, 1889, *Lygus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Poecilocapsus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 483, 1912.
melaxanthus (Herrich-Schaeffer), Wanz. Ins., viii, p. 18, fig. 794, 1848, Walker, Cat. Heter., vi, p. 91, 1873, *Capsus.* [*Capsus.*

a. var. **coccineus** (Emmons)
Emmons, Nat. Hist. N. Y., Agric., v, pl. 30, fig. 2, 1854, *Phytocoris.*
‖*scutellatus* Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912 (as var.).

b. var. **goniphorus** (Say)
Say, Heter. N. Harm., p. 21, 1832; Fitch reprint, p. 785; Compl. Writ., i, p,
Reuter, Caps. Am. Bor., p. 74, 1876, *Poecilocapsus.* [341, *Capsus.*
Uhler, Stand. Nat. Hist., ii, p. 287, 1884, *Poecilocapsus.*
Uhler, Check List, p. 19, 1886, *Poecilocapsus.*
Provancher, Pet. Faune Ent. Can., iii, p. 123, 1887, *Poecilocapsus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Poecilocapsus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Poecilocapsus.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Poecilocapsus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 1, 123, 1892, *Poecilocapsus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Poecilocapsus.*
Gillette and Baker, Hemip. Colo., p. 58, 1895, *Poecilocapsus.*
Slosson, Ent. News, ix, p. 251, 1898, *Poecilocapsus.*
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Poecilocapsus.*
Moore, Can. Ent., xxix, p. 163, 1907, *Poecilocapsus.*
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.
Parshley, Psyche, xxi, p. 142, 1914, *Poecilocapsus.*
limbatellus (Walker), Cat. Heter., vi, p. 93, 1873, *Capsus* (yellow form).
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 33, 1912 (as
Parshley, Psyche, xxi, p. 141, 1914. [var. of *affinis*).
marginatus (Walker), Cat. Heter., vi, p. 96, 1873, *Capsus* (red form).
Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 111, 1904, *Poecilocapsus.*

c. var. **affinis** (Reut.)
Reuter, Caps. Am. Bor., p. 74, 1876, *Poecilocapsus.*
Provancher, Pet. Faune Ent. Can., iii, p. 123, 1887, *Poecilocapsus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Poecilocapsus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Poecilocapsus.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Poecilocapsus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 1, p. 123, 1892, *Poecilocapsus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Poecilocapsus.*
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904, *Poecilocapsus.*
Reuter, Neark. Caps., p. 41, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.

d. var. **marginalis** (Reut.)
Reuter, Caps. Am. Bor., p. 75, 1876, *Poecilocapsus.*
Provancher, Pet. Faune Ent. Can., iii, p. 123, 1887, *Poecilocapsus.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Poecilocapsus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Poecilocapsus.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Poecilocapsus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 1, p. 123, 1892, *Poecilocapsus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Poecilocapsus.*
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904, *Poecilocapsus.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Poecilocapsus* (spelled *marginatus*).
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.

e. var. **nigrita** Reut.
Reuter, Neark. Caps., p. 41, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.

f. var. **pallipes** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.

g. var. **residuus** Van D.
Van Duzee, Check List, p. 39, 1916 (n.n. for *thoracicus* Van D.).
‖*thoracicus* Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912.
Localities: Quebec, Ont., Me., Conn., N. Y., N. J., Mich., Ind., Ia., Wis.

1001. **Horcias sexmaculatus** (Barb.)

Barber, Brookl. Inst., Sci. Bul., i, p. 280, 1906, *Poecilocapsus.*
Reuter, Neark. Caps., p. 41, 1909.
Locality: Texas.

1002. **Horcias fallax** Reut.

Reuter, Neark. Caps., p. 42, 1909.
Locality: Pa.

1003. **Horcias marmoratus** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 263, 1894, *Poecilocapsus.*
Localities: Md., Texas.

Genus **Poecilocapsus** Reut.
Logotype *lineatus* Fabr.

Reuter, Caps. Am. Bor., p. 73, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 274, 1884.
Reuter, Neark. Caps., p. 11, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1004. **Poecilocapsus lineatus** (Fabr.)

Fabricius, Ent. Syst. Suppl., p. 541, 1798, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 234, 1803, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 86, 1868, *Calocoris.*
Fitch, 13th Rept. N. Y. St. Ent. for 1869, p. 513, 1870, *Phytocoris.*
Reuter, Caps. Am. Bor., p. 74, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Lygus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878, *Lygus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 406, 1878, *Lygus.*
Lintner, 1st Rept. N. Y. St. Ent., p. 271, 1882.
Provancher, Pet. Faune Ent. Can., iii, p. 122, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887; xxi, p. 3, 1889.
Townsend, Trans. Ent. Soc. Wash., ii, p. 54, 1891.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p. 123, 1893.
Slingerland, Cornell Univ. Agr. Exp. St., Ent. Div. Bul. 58, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Slosson, Ent. News, ix, p. 251, 1898.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 357, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.

Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Moore, Can Ent., xxxix, p. 163, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Barber, Ann. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Parshley, Psyche, xxi, p. 142, 1914. [Compl. Writ., i, p. 339, *Capsus.*
quadrivittatus (Say), Heter. N. Harm., p. 20, 1832; Fitch reprint, p. 784;
Le Baron, 1st Rept. Nox. Ins. Illinois, p. 61, 1871, *Capsus.*
Lintner, 1st Rept. N. Y. St. Ent., p. 271, fig. 78, 1882.
§*vittatus* Uhler, Stand. Nat. Hist., ii, p. 286, 1884.
bellus (Emmons), Nat. Hist. N. Y. Agric., v, pl. 30, fig. 1, 1854, *Phytocoris.*
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Pa., Texas, N. Mex.

1005. **Poecilocapsus nigriger** (Stål)

Stål, Stet. Ent. Zeit., xxiii, p. 319, 1862, *Brachycoleus.*
Walker, Cat. Heter., vi, p. 99, 1873, *Capsus.*
Reuter, Caps. Am. Bor., p. 64, 1875.
Uhler, Stand. Nat. Hist., ii, p. 287, 1884.
Distant, Biol. Centr. Am., Heter., i, p. 275, pl. 22, figs. 12, 13, 1884.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 166, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 178, 1909.
Van Duzee, Trans. San Diego, Soc. Nat. Hist., ii, p. 19, 1914.
Localities: Fla., Calif. (Mexico.)

Genus **Neocapsus** Dist.
Haplotype *mexicanus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 277, 1884.

1006. **Neocapsus cuneatus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 438, pl. 38, fig. 6, 1893.
Banks, Cat. Nearc. Hemip., p. 46, 1910.
Localities: Texas. (Mexico.)

Genus **Pallacocoris** Reut.
Haplotype *suavis* Reut.

Reuter. Caps. Am. Bor., p. 62, 1876.

1007. **Pallacocoris suavis** Reut.

Reuter, Caps. Am. Bor., p. 62, 1876.
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Localities: Texas, Ia.

DIVISION *CAPSARIA* (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 32, 423, 1865, Family *Capsidae.*
Reuter, Rev. Crit. Caps., i, p. 76; ii, p. 44, 1875 (Division).
Reuter, Genera Cimic. Europ., pp. 6, 15, 1875 (Division).
Provancher, Pet. Faune Ent. Can., iii, p. 97, 1886, *Capsides* (part).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 206, 208, 1916.
Lygidae Douglas and Scott, Brit. Hemip., pp. 33, 445, 1865.

Genus **Capsus** Fabr.
Orthotype *ater* Fabr.

Fabricius, Syst. Rhyng., p. 241, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 299, 1804.
Latreille, Genera Crust. Ins., iii, p. 123, 1807.
Fallén, Monog. Cimic. Suec., p. 96, 1807.
Latreille, Consid. Gén., pp. 225, 433, 1810 (names *spissicornis* pseudotype).
Fallén, Hemip. Suec., Cimic., p. 114, 1829.
Hahn, Wanz. Ins., i, p. 125, 1831.
Laporte, Essai Classif. Syst. Hémip., p. 39, 1832.
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 711, 1832.
Westwood, Intr. Mod. Classif, Ins., ii, Synop., p. 121, 1840.
Blanchard, Hist. des Ins., Hémip., p. 139, 1840 (subgen. of *Phytocoris*).
Amyot and Serville, Hémip., p. 280, 1843.
Stål, Hemip. Fabr., i, p. 87, 1868.
Reuter, Rev. Crit. Caps., i, p. 84; ii, p. 77, 1875.
Reuter, Genera Cimic. Eur., p. 21, 1875.
Uhler, Check List, p. 19, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 128, 1887.
Atkinson, Cat. Capsidae, p. 105, 1889.
Reuter, Hemip. Gymn. Eur., v, pp. 13, 348, 1896.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 468, 1904.
Reuter, Neark. Caps., p. 12, 1909.
Oshanin, Verz. Palae. Hemip., i, p. 758, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 157, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.
Rhopalotomus Fieber, Wien. Ent. Monat., ii, p. 307, 1858 (Haplotype *ater* [Linn.).
Fieber, Europ. Hemip., pp. 66, 263, 1861.
Douglas and Scott, Brit. Hemip., p. 439, 1865.
Thomson, Opusc. Ent., iv, p. 430, 1871.
Puton, Cat. Hemip. Palae., p. 52, 1886.

1008. **Capsus ater** (Linn.)

Linnaeus, Syst. Nat., edn. 10, p. 447, 1758; edn. 12, i, p. 725, 1767, *Cimex*.
Fabricius, Ent. Syst., iv, p. 177, 1794, *Lygaeus*.
Fabricius, Syst. Rhyng., p. 241, 1803, *Capsus*.
Fallén, Hemip. Suec., Cimic., p. 116, 1829.
Hahn, Wanz. Ins., i, p. 126, 1831.
Flor, Rhyng. Livl., i, p. 486, 1860.
Fieber, Europ. Hemip., p. 264, 1861, *Rhopalotomus*.
Douglas and Scott, Brit. Hemip., p. 440, 1865, *Rhopalotomus*.
Stål, Hemip. Fabr., i, p. 87, 1868.
Walker, Cat. Heter., vi, p. 77, 1873.
Reuter, Rev. Crit. Caps., ii, p. 78, 1875.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 411, 1878, *Rhopalotomus*.
Provancher, Pet. Faune Ent. Can., iii, p. 129, 1887.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Saunders, Heter. Brit. Isds., p. 262, pl. 24, fig. 5, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894.

Slosson, Ent. News, v, p. 5, 1895.
Reuter, Hemip. Gymn. Eur., v, pp. 14, 357, 1896.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 504, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Moore, Can. Ent., xxxix, p. 163, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Bueno, Can. Ent., xlii, p. 29, 1910.
Parshley, Psyche, xxi, p. 142, 1914.
?sordens (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, p. 2166, 1788, *Cimex.*
nigricornis Hahn, Icon. Monog. Cimic., fig. 20, 1826.

a. var. **tyrannus** (Fabr.)
Fabricius, Ent. Syst., iv, p. 177, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 242, 1803.
Wolff, Icon. Cimic., iii, p. 152, fig. 146, 1804, *Lygaeus.*
Reuter, Hemip. Gymn. Eur., v, p. 15, 1896.
flavipes Provancher, Nat. Can., iv, p. 104, 1872.

b. var. **semiflavus** (Linn.)
Linnaeus, Syst. Nat., edn. 12, i, p. 725, 1867, *Cimex.*
Reuter, Hemip. Gymn. Eur., v, p. 15, 1896.
flavicollis (Fabricius), Syst. Ent., p. 725, 1775, *Cimex.*
Fabricius, Syst. Rhyng., p. 243, 1803.
Wolff, Icon. Cimic., i, p. 32, fig. 32, 1800, *Lygaeus.*
Localities: Ont., Me., N. H., N. Y., N. J., Pa., D. C. (Europe.)

Genus **Coccobaphes** Uhl.
Haplotype *sanguinarius* Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 401, 1878.
Provancher, Pet. Faune Ent. Can., ii, p. 117, 1887.
Reuter, Neark. Caps., p. 11, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1009. **Coccobaphes sanguinarius** Uhl.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 401, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 117, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887; xxi, p. 3, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904.
Reuter, Neark. Caps., p. 37, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
Localities: Ont., Me., N. Y., N. J., Pa., Ia.

Genus **Lygidea** Reut.
Haplotype *illota* (Stål)

Reuter, Pet. Nouv. Ent., i, p. 547, 1875.
Reuter, Of. Finska Vet. Soc. Forh., xxi, p. 54, 1879.
Reuter, Hemip. Gymn. Europ., v, pp. 68, 349, 1896.
Reuter, Neark. Caps., p. 12, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1010. **Lygidea rubecula** (Uhl.)

Uhler, Hemip. Colo., p. 37, 1895, *Neoborus.*
Reuter, Neark. Cap., pp. 45, 46, 1909.
Parshley, Psyche, xxi, p. 141, 1914.

a. var. **infuscata** Reut.
Reuter, Neark. Caps., p. 46, 1909.

b. var. **rosacea** Reut.
Reuter, Neark. Caps., p. 46, 1909.

c. var. **obscura** Reut.
Reuter, Neark. Caps., p. 46, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: Ont., Me., N. H., N. Y., Colo., Calif., Manitoba.

1011. **Lygidea mendax** Reut.

Reuter, Neark. Caps., p. 47, 1909.
Crosby, Can. Ent., xliii, p. 17, 1911.
Crosby, 26th Rept. N. Y. St. Ent., p. 44, 1911.
Parshley, Psyche, xxi, p. 141, 1914.
Knight, Jl. Econ. Ent., viii, p. 295, 1915. (Oviposition.)
Localities: Me., N. Y.

1012. **Lygidea morio** Reut.

Reuter, Neark. Caps., p. 47, 1909.
Locality: Calif.

Genus **Platylygus** Van D.
Orthotype *luridus* (Reut.)

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 111, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1013. **Platylygus luridus** (Reut.)

Reuter, Neark. Caps., p. 46, 1909, *Lygidea* (as var. of *rubecula* Uhl.)
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: N. Y., Calif.

Genus **Lygus** Hahn
Logotype *limbatus* (Fall.)

Hahn, Wanz. Ins., i, p. 147, 1831.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840 (names *coryli*
Fieber, Wien. Ent. Monats., ii, p. 311, 1858. [Linn. pseudotype).
Fieber, Europ. Hemip., pp. 68, 272, 1861.
Douglas and Scott, Brit. Hemip., p. 456, 1865.
Thomson, Opusc. Ent., iv, p. 423, 1871.
Reuter, Crit. Rev. Caps., i, p. 81; ii, p. 45, 1875.
Reuter, Genera Cimic. Europ., p. 15, 1875.
Distant, Biol. Centr. Am., Heter., i, p. 272, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 118, 1887.
Reuter, Hemip. Gymn. Eur., v, pp. 71, 350, 1896. [pseudotype).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 454, 1904 (names *pabulinus* Linn.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906 (names *limbatus* Fall.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916. [type).
Poecilosoma Stephens (MS), Syst. Cat. Brit. Ins., p. 346, 1829.

(A revision of genus *Lygus* by Mr. H. H. Knight, including a number of new species, will soon be published by Cornell University; if out in time the new species will be listed at end of this volume.)

Subgenus **Lygocoris** Reut.
Logotype *pabulinus* (Linn.)

Reuter, Rev. Crit. Caps., i, p. 81; ii, p. 45, 1875.
Reuter, Genera Cimic. Europ., p. 16, 1875.
Reuter, Hemip. Gymn. Eur., v, p. 367, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906 (names *pabulinus* type).

1014. **Lygus pabulinus** (Linn.)

Linnaeus, Fauna Suec., p. 253, No. 947, 1761, *Cimex.*
Linnaeus, Syst. Nat., edn. 12, i, p. 727, 1767, *Cimex.*
Fabricius, Genera Ins., p. 301, 1776, *Cimex.*
Fabricius, Ent. Syst., iv, p. 184, 1794, *Miris.*
Walckenaer, Fauna Paris., ii, p. 349, 1802, *Miris.*
Fabricius, Syst. Rhyng., p. 254, 1803, *Miris.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 227, 1804, *Miris.*
Fallén, Monog. Cimic. Suec., p. 75, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 468, 1828, *Phytocoris.*
Fallén, Hemip. Suec., Cimic., p. 79, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 143, fig. 74, 1831.
Burmeister, Handb. d. Ent., ii, p. 270, 1835, *Phytocoris.*
Zetterstedt, Ins. Lapp., column 272, 1840, *Phytocoris.*
Blanchard, Hist. des Ins., Hemip., p. 137, 1840, *Phytocoris.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 57, 1855, *Capsus* (*Deraeocoris*).
Baerensprung, Cat. Hemip. Eur., p. 15, 1860.
Flor, Rhyn. Livl., i, p. 507, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 276, 1861.
Douglas and Scott, Brit. Hemip., p. 457, 1865.
Thomson, Opusc. Ent., iv, p. 424, 1871, *Capsus.*
Reuter, Rev. Crit. Caps., i, p. 81; ii, p. 45, 1875.
Uhler, Check List, p. 18, 1886.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Reuter, Rev. Synon., p. 267, No. 242, 1888.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Saunders, Hemip. Brit. Isds., p. 249, pl. 23, fig. 5, 1892.
Reuter, Hemip. Gymn. Europ., v, pp. 114, 367, 1896.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 504, 1900.
Slosson, Ent. News, xiii, p. 8, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Horvath, Ann. Mus. Natl. Hung., xi, p. 337, 1911.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 512, 1912.
Parshley, Psyche, xxi, p. 141, 1914.

nigrophthalmus (Retzius), Genera et Spec. Ins., p. 88, 1783, *Cimex.*
?aerugineus (Fourcroy), Ent. Paris., p. 208, 1785, *Cimex.*
hortuorum (Tigny), Hist. Nat. des Ins., iv, p. 287, 1813, *Cimex.*

†*affinis* (Meyer), Verz. Rhyn. Schw. Caps., p. 48, pl. 1, fig. 5, 1843, *Capsus.*
solani Curtis, Farm Ins., p. 434, fig. 59, No. 20, and pl. 0, figs. 20, 21, 1860.
†*contaminatus* Provancher, Pet. Faune Ent. Can., iii, p. 121, 1887.
chagnoni Stevenson, Can. Ent., xxxv, p. 214, 1903.

a. var. **signifer** Reut.
Reuter, Neark. Caps., p. 42, 1909.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Brit. Col., Alaska.

Subgenus **Lygus** Hahn
Logotype *limbatus* (Fall.)

Reuter, Rev. Crit. Caps., i, p. 82; ii, p. 47, 1875.
Reuter, Hemip. Gymn. Eur., v, p. 364, 1896.

1015. **Lygus contaminatus** (Fall.)

Fallén, Hemip. Suec., Cimic., p. 79, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 151, fig. 76, 1831.
Zetterstedt, Ins. Lapp., column 272, 1840, *Phytocoris.*
Fieber, Europ. Hemip., p. 274, 1861.
Reuter, Rev. Crit. Caps., ii, p. 49, 1875.
Reuter, Genera Cimic. Eur., p. 17, 1875.
Uhler, Check List, p. 18, 1886.
Saunders, Heter. Brit. Isds., pp. 249, 250, 1892.
Reuter, Hemip. Gymn. Eur., v, pp. 112, 367, 1896.
Oshanin, Verz. Palae. Hemip., i, p. 716, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914.
†*viridis* (Flor), Rhyn. Livl., i, p. 531, 1860, *Capsus* (part).
†*sulcifrons* Douglas and Scott, Brit. Hemip., p. 459, 1865.
Localities: Calif., Br. Am. (Palaearctic.)

1016. **Lygus lucorum** (Meyer)

Meyer, Verz. Schw. Rhyn., Caps., p. 46, pl. 6, fig. 2, 1843, *Capsus.*
Fieber, Europ. Hemip., p. 275, 1861.
Douglas and Scott, Brit. Hemip., p. 458, 1865.
Reuter, Rev. Crit. Caps., ii, p. 52, 1875.
Uhler, Check List, p. 18, 1886.
Saunders, Heter. Brit. Isds., pp. 249, 251, 1892.
Reuter, Hemip. Gymn. Eur., v, pp. 107, 366, pl. 5, fig. 3, 1896.
Oshanin, Verz. Palae. Hemip., i, p. 717, 1909.
†*contaminatus* (Kirschbaum), Rhyn. v. Wiesbd., Caps., p. 65, 1855, *Capsus.*
Flor, Rhyn. Livl., ii, p. 612, 1861, *Capsus.*
Thomson, Opusc. Ent., iv, p. 425, 1871, *Capsus.*
bipunctatus (Sahlberg), Monog. Geoc. Fenn., p. 101, 1848, *Capsus.*
Locality: "U. S." (Uhler).

1017. **Lygus viridis** (Fall.)

Fallén, Monog. Cimic. Suec., p. 85, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 93, 1829, *Phytocoris.*
Sahlberg, Monog. Cimic. Fenn., p. 106, 1848, *Capsus.*
Baerensprung, Cat. Hemip. Europ., p. 15, 1860.
Flor, Rhyn. Livl., i, p. 531, 1861, *Capsus.*
Reuter, Rev. Crit. Caps., ii, p. 50, 1875.

Reuter, Genera Cimic. Eur., p. 17, 1875.
Reuter, Rev. Synon., p. 268, No. 243, 1888.
Saunders, Heter. Brit. Isds., pp. 249, 250, pl. 23, fig. 2, 1892.
Reuter, Hemip. Gymn. Eur., v, pp. 113, 367, 1896.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 42, 1909.

?fusco-maculatus (Goeze), Ent. Beytr., ii, p. 267, 1778, *Cimex.*
?viridescens Geoffroy *in* Fourcroy, Ent. Paris., p. 207, 1785, *Cimex.*
?obfuscatus (Gmelin), *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2185,
commutatus Fieber, Wien. Ent. Monats., ii, p. 231, 1858. [1788, *Cimex.*
Fieber, Europ. Hemip., p. 274, 1861.
†*contaminatus* Douglas and Scott, Brit. Hemip., p. 461, 1865.
†*sulcifrons* (Thomson), Opusc. Ent., iv, p. 425, 1871, *Capsus.*

Localities: N. H., Mass. (Palaearctic.)

1018. **Lygus belfragii** Reut.

Reuter, Caps. Am. Bor., p. 71, 1876.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 485, 1912.

Localities: Quebec, Ont., N. H., Mass., N. Y.

1019. **Lygus hirticulus** Van D.

Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892 (MS name).
Slosson, Ent. News, xi, p. 323, 1900 (MS name, spelled *hirticoelus*).
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905 (MS name).
Van Duzee, Check List, p. 41, 1916 (n.n. for *tenellus* Van D.).

‖*tenellus* Uhler, Check List, p. 18, 1886 (MS name).
Atkinson, Cat. Caps., p. 91, 1888 (MS name).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 179, 1909 (MS name).
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 484, 1912 (description).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.

Localities: Me., Mass., N. Y.

1020. **Lygus invitus** (Say)

Say, Heter. N. Harm., p. 24, 1832; Fitch reprint, p. 790; Comp. Writ., i, p.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328. [345, *Capsus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 407, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 121, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887; xxi, p. 3, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Riley, N. Am. Fauna, vii, p. 250, 1893.
Gillette and Baker, Hemip. Colo., p. 35, 1895.
Slosson, Ent. News, xiii, p. 8, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. Ent., p. 551, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.

Van Duzee, Can. Ent., xl, p. 113, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 485, 1912.
Parshley, Psyche, xxi, p. 141, 1914.
Knight, Jl. Econ. Ent., viii, p. 296, 1915.
Knight, Can. Ent., xlviii, p. 345, 1916.
†*lineolatus* (Emmons), Nat. Hist. N. Y. Ins., pl. 30, fig. 7, 1854, *Phytocoris.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Ia., Kans., Ariz.

1020½. **Lygus communis** Kngt.

Knight, Can. Ent., xlviii, p. 346, 1916.
Localities: Me., N. H., Vt., N. Y., Colo.

1021. **Lygus vitticollis** Reut.

Reuter, Caps. Am. Bor., p. 71, 1876.
Reuter, Neark. Caps., p. 43, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
monachus Uhler, Can. Ent., xviii, p. 208, 1886.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Slosson, Ent. News, xi, p. 323, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Localities: Ont., Mass., N. H., N. Y., N. J., Pa., Ia., Texas.

1022. **Lygus carolinae** Reut.

Reuter, Caps. Am. Bor., p. 71, 1876.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906.
Localities: Carolina, Texas.

1023. **Lygus fasciatus** Reut.

Reuter, Caps. Am. Bor., p. 72, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 485, 1912.
Localities: Me., N. Y., S. C.

1024. **Lygus apicalis** Fieb.

Fieber, Eur. Hemip., p. 275, 1861.
Reuter, Hemip. Gymn. Eur., v, p. 110, pl. 5, fig. 1, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 31, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 43, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.

a. var. **prasinus** Reut.

Reuter, Caps. Am. Bor., p. 72, 1876.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 179, 1909.
Van Duzee, Can. Ent., xli, p. 127, 1909.

Reuter, Neark. Caps., p. 43, 1909.
inops Horvath, Rev. d'Ent., xiii, p. 190, 1894 (as var. of *apicalis*).
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 31, 1907.
Localities: Ga., Fla., Texas. (West Indies, Europe.)

1025. **Lygus guttatipes** Uhl.

Uhler, Hemip. Colo., p. 35, 1895.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Locality: Colo.

1026. **Lygus olivaceus** Reut.

Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 5, p. 6, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 31, 1907; ix, p. 179, 1909.
Van Duzee, Can. Ent., xli, p. 127, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Localities: Fla. (West Indies.)

1027. **Lygus sallei** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 321, 1862.
Uhler, Check List, p. 18, 1886.
Distant, Biol. Centr. Am., Heter., i, p. 273, pl. 23, figs. 2, 3, 1884; p. 433, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 259, 1894.
Gillette and Baker, Hemip. Colo., p. 36, 1895.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 170, 1909 (redescription).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914.
Localities: Colo., Texas, N. Mex., Ariz., Calif. (Mexico.)

1028. **Lygus vividus** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 260, 1894.
Localities: Calif. (Mexico.)

1029. **Lygus approximatus** (Stål)

Stål, Stet. Ent. Zeit., xix, p. 185, 1858, *Deraeocoris*.
Reuter, Hemip. Gymn. Eur., v, p. 91, 1896.
Reuter, Neark. Caps., p. 43, 1909.
Localities: Ont., W. Va., Wyo., Alaska.

1030. **Lygus convexicollis** Reut.

Reuter, Caps. Am. Bor., p. 72, 1876.
Reuter, Neark. Caps., p. 43, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 37, 1912.
Locality: Calif.

1031. **Lygus pratensis** (Linn.)

Linnaeus, Syst. Nat., edn. 10, p. 448, 1758, *Cimex*.
Linnaeus, Fauna Suec., n. edn., p. 253, No. 949, 1761, *Cimex*.
Linnaeus, Syst. Nat., edn. 12, p. 728, 1767, *Cimex*.
Fabricius, Syst. Ent., p. 724, 1775, *Cimex*.
Fourcroy, Ent. Paris., p. 205, 1785, *Cimex*.
Fabricius, Ent. Syst., iv, p. 171, 1794, *Lygaeus*.
Walckenaer, Fauna Paris., ii, p. 347, 1802, *Lygaeus*.
Fabricius, Syst. Rhyng., p. 234, 1803, *Lygaeus*.
Latreille, Hist. Nat. Crust. Ins., xii, p. 222, 1804, *Miris*.

Fallén, Monog. Cimic. Suec., p. 83, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 489, 1828, *Phytocoris.*
Fallén, Hemip. Suec., Cimic., p. 90, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 217, fig. 112, 1831, *Phytocoris.*
Herrich–Schaeffer, Nomen. Ent., i, p. 51, 1835, *Capsus.*
Burmeister, Handb. d. Ent., ii, p. 272, 1835, *Phytocoris.*
Zetterstedt, Ins. Lapp., column 273, 1840, *Phytocoris.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 138, 1840, *Phytocoris.*
Meyer, Verz. Schw. Rhyn., p. 99, 1843, *Capsus.*
Kolenati, Melet. Ent., ii, p. 119, 1845, *Phytocoris.*
Sahlberg, Geoc. Fenn., p. 111, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 64, 1855, *Capsus.*
Baerensprung, Cat. Hemip. Eur., p. 15, 1860.
Flor, Rhyng. Livl., i, p. 517, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 273, 1861.
Douglas and Scott, Brit. Hemip., p. 464, pl. 15, fig. 2, 1865.
Thomson, Opusc. Ent., iv, p. 424, 1871, *Capsus.*
Reuter, Rev. Crit. Caps., ii, p. 54, 1875.
Reuter, Genera Cimic. Eur., p. 18, 1875.
Reuter, Caps. Am. Bor., p. 72, 1876.
Saunders, Ins. Inj. to Fruits, p. 147, fig. 153, 1883.
Distant, Biol. Centr. Am., Heter., i, p. 272, pl. 23, figs. 4, 6, 7, 16, 1884.
Uhler, Check List, p. 18, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 119, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Reuter, Rev. Synon., p. 269, No. 244, 1888.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891.
Townsend, Can. Ent., xxiv, p. 193, 1892.
Harrington, Ottawa Nat., vi, p. 27, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Uhler, Proc. Ent. Soc. Wash., ii, p. 374, 1893.
Riley, N. Am. Fauna, vii, p. 250, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 259, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Gillette and Baker, Hemip. Colo., p. 36, 1895.
Blatchley, Psyche, vii, p. 279, 1895.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 505, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1908.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, pp. 152, 179, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Van Duzee, Can. Ent., xl, p. 113, 1908; xli, p. 127, 1909.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 169, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Crosby and Leonard, Can. Ent., xlvi, p. 181, 1914 (egg parasite).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914.

Essig, Inj. Ben. Ins. Calif., edn. 2, p. 211, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
unbellatarum Scopoli, Ent. Carn., p. 133, 1763, *Cimex.*
Panzer, Fauna Germ., xciii, fig. 19, 1805, *Lygaeus.*
?rubecula Goeze, Ent. Beytr., ii, p. 279, 1778, *Cimex.*
?viridulus Panzer, Schaef. Icon., p. 120, 1804, *Lygaeus.*
lineolaris Palisot–Beauvois, Ins. Rec. Af. Am., p. 187, 1805, *Capsus.*
Harris, Rept. Inj. Ins. Mass., p. 161, 1841, *Phytocoris.*
Harris, Treat. Ins. Inj. Veget., new edn., p. 200, 1862, *Phytocoris.*
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 413, 1872.
Walker, Cat. Heter., vi, p. 91, 1873, *Capsus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876; iii, p. 415, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 407, 1878.
Popenoe, Trans. Kan. Acad. Sci., ix, p. 63, 1885. [1805, *Capsus.*
linearis (Palisot–Beauvois), Ins. Rec. Af. Am., pl. Hemip., No. 11, fig. 7,
Uhler, *in* Harris Rept. Inj. Ins. Mass., p. 161, note, 1841, *Phytocoris.*
Uhler *in* Harris, Treat. Ins. Inj. Veget., new edn., p. 200, note, 1862,
[*Phytocoris.*
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 313, 1864, *Phytocoris.*
oblineatus (Say), Heter. N. Harm., p. 21, 1832; Fitch reprint, p. 784;
[Compl. Writ., i, p. 340, *Capsus.*
Smith, Cat. Ins. N. J., edn. 2, p. 124, 1900.
[*diffusus* Uhler, MS], Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
[*redimitus* Uhler, MS], Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872.
flavonotatus (Provancher), Nat. Can., iv, p. 103, 1872, *Capsus.*
Uhler, Check List, p. 19, 1886, *Deraeocoris?*
Provancher, Pet. Faune Ent. Can., iii, p. 120, 1887.
Van Duzee, Can. Ent., xxi, p. 3, 1889.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
†*malinus* (Provancher), Pet. Faune Ent. Can., iii, p. 134, 1887, *Sthenarops.*
†*belfragei* Provancher, Pet. Faune Ent. Can., iii, p. 120, 1887.
§*flavomaculatus* Van Duzee, Can. Ent., xix, p. 71, 1887 (error for *flavo-*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894. [*notatus*).
var. **pubescens** Reut.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 37, 1912 (n.n. for
[*campestris* Fall.)
‖*campestris* Fallén, Monog. Cimic. Suec., p. 83, 1807, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 489, 1828, *Phytocoris.*
Fallén, Hemip. Suec., Cimic., p. 91, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 218, fig. 113, 1831, *Phytocoris.*
Herrich–Schaeffer, Nom. Ent., i, p. 51, 1835, *Capsus.*
Zetterstedt, Ins. Lapp., column 273, 1840, *Phytocoris.*
Blanchard, Hist. des Ins., Hémip., p. 138, 1840, *Phytocoris.*
Kolenati, Melet. Ent., ii, p. 118, 1845, *Phytocoris.*
Sahlberg (F.), Geoc. Fenn., p. 111, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 65, 1855, *Capsus* (*Deraeocoris*).

Baerensprung, Cat. Hemip. Eur., p. 15, 1860.
Fieber, Eur. Hemip., p. 273, 1861.
Douglas and Scott, Brit. Hemip., p. 463, 1865.
Thomson, Opusc. Ent., iv, p. 424, 1871, *Capsus.*

var. **gemellatus** (H. S.)
Herrich–Schaeffer, Nom. Ent., i, p. 51, 1835, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., iii, p. 84, 1835, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 64, 1855, *Capsus* (*Deraecoris*).
Baerensprung, Cat. Hemip. Eur., p. 15, 1860.
Reuter, Rev. Crit. Caps., ii, p. 55, 1875.
Reuter, Hemip. Gymn. Eur., v, p. 99, 1896.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 35, 1912.
artemisiae (Schilling), Ber. Vat. Ges. Schles., p. 83, 1836, *Capsus.*
adspersus (Schilling), Ber. Vat. Ges. Schles., p. 83, 1836, *Capsus.*

var. **punctatus** Zett.
Zetterstedt, Ins. Lapp., column 273, 1840, *Phytocoris.*
Kolenati, Melet. Ent., ii, p. 118, 1845, *Phytocoris.*
Sahlberg (F.), Geoc. Fenn., p. 110, 1848, *Capsus.*
Thomson, Opusc. Ent., iv, p. 423, 1871, *Capsus.*
Reuter, Hemip. Gymn. Eur., v, p. 98, 1896.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 35, 1912.
alpina (Kolenati), Melet. Ent., ii, p. 120, 1845, *Phytocoris.*

var. **rutilans** Horv.
Horvath, Rev. d'Ent., vii, p. 181, 1888.
Reuter, Hemip. Gymn. Eur., v, p. 99, 1906.
fuscorubra Strobl, Mitth. Naturw. Ver. Steierm. xxvi, p. 193, 1900.
Localities: All the United States, Canada. (Palaearctic, Mex.)

1032. **Lygus elisus** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914 (as var. of [*pratensis.*
Locality: Calif.

1033. **Lygus annexus** Uhl.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 413, 1872.
Uhler, Wheeler's Surv. 100th Mer., v, p. 839, pl. 42, fig. 10, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876; iii, p. 415, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Gillette and Baker, Hemip. Colo., p. 35, 1895.
Locality: Colo.

1034. **Lygus(?) distanti** Atk.
Atkinson, Cat. Capsidae, p. 91, 1889 (n.n. for *scutellatus* Dist.).
Distant, Biol. Centr. Am., Heter., i, p. 434, 1893.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 152, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 60, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
‖*scutellatus* Distant, Biol. Centr. Am., Heter., i, p. 274, pl. 23, figs. 9, 18, [1884.
Barber, Brookl. Inst., Sci. Bul., i, p. 279, 1906.
Snow, Trans. Kans. Acad. Sci., xx, pt. 2, p. 159, 1907.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 169, 1907.
Localities: Kans., Ariz., Texas. (Mexico.)

[**Lygus repletus** Uhler MS]
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.

[**Lygus intersectus** Uhler MS]
Van Duzee, Can. Ent., xxi, p. 3, 1889.

1035. **Lygus plagiatus** Uhl.
Uhler, Hemip. Colo., p. 35, 1895.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Osborn, Ohio Nat., i, p. 12, 1900.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: Mass., N. Y., D. C., Ohio, Kans., Colo., Calif.

[**Lygus ustulatus** Uhler MS]
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.

Subgenus **Orthops** Fieb.
Logotype *kalmi* (Linn.)

Fieber, Wien. Ent. Monat., ii, p. 311, 1858.
Fieber, Europ. Hemip., pp. 68, 278, 1861.
Douglas and Scott, Brit. Hemip., p. 451, 1865.
Thomson, Opusc. Ent., i, p. 426, 1871.
Reuter, Genera Cimic. Eur., p. 18, 1875.
Reuter, Rev. Crit. Caps., i, p. 82; ii, p. 57, 1875.
Reuter, Hemip. Gymn. Eur., v, p. 362, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906 (names *kalmi* type).

1036. **Lygus campestris** (Linn.)
Linnaeus, Syst. Nat., edn. 10, p. 1758, *Cimex.*
Linnaeus, Fauna Suec., edn. 2, p. 254, 1761, *Cimex.*
Linnaeus, Syst. Nat., edn. 12, i, p. 728, 1767, *Cimex.*
Fabricius, Ent. Syst., iv, p. 171, 1794, *Lygaeus.*
Reuter, Rev. Synon., p. 271, No. 245, 1888.
Reuter, Hemip. Gymn. Eur., v, p. 79, 1896.
Reuter, Neark. Caps., p. 44, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 37, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
transversalis (Fabricius), Mantissa Ins., p. 304, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 175, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 238, 1803, *Lygaeus.*
Reuter, Rev. Crit. Caps., ii, p. 59, 1875, *Orthops.*
Reuter, Genera Cimic Eur., p. 18, 1875.
pastinacae (Fallén), Monog. Cimic. Suec., p. 86, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 94, 1829, *Phytocoris.*
Stål, Stet. Ent. Zeit., xix, p. 186, 1858, *Deraeocoris.*
Flor, Rhyng. Livl., i, p. 523, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 279, 1861, *Orthops.*
Douglas and Scott, Brit. Hemip., p. 455, pl. 15, fig. 8, 1865, *Orthops.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Orthops.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Orthops.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 727, 1909.

lucidus (Kirschbaum), Rhyng. v. Wiesbd., Caps., p. 131, 1855, *Capsus.*
§*transversus* (Thomson), Opusc. Ent., iv, p. 427, 1871, *Capsus.*
scutellatus (Uhler), Bul. U. S. Geol. Geog. Surv., iii, p. 420, 1877, *Orthops.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Orthops.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Orthops.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 261, 1894, *Orthops.*
Gillette and Baker, Hemip. Colo., p. 39, 1895, *Orthops.*
Smith, Cat. Ins. N. J., edn. 2, p. 130, 1900, *Orthops.*
Heidemann, Proc. Wash. Acad. Sci., ii, p. 505, 1900.
Slosson, Ent. News, xiii, p. 8, 1902, *Orthops.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Orthops.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905, *Orthops.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Orthops.*
Localities: Quebec, Ont., N. H., N. Y., N. J., Colo., Wyo., Texas, Ariz., Calif., Alaska. (Europe.)

Subgenus **Agnocoris** Reut.
Haplotype *rubicundus* (Fall.)

Reuter, Genera Cimic. Eur., p. 19, 1875.
Reuter, Rev. Crit. Caps., i, p. 82, 1875 (as subgen. of *Cyphodema*).
Reuter, Rev. Crit. Caps., ii, p. 63, 1875 (as subgen. of *Cyphodema*).
Reuter, Hemip. Gymn. Eur., v, p. 362, 1896.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 139, 1906.

1037. **Lygus rubicundus** (Fall.)

Fallén, Hemip. Suec. Cimic., p. 92, 1829, *Phytocoris.*
Flor, Rhyng. Livl., i, p. 534, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 278, 1861, *Hadrodema.*
Reuter, Rev. Crit. Caps., ii, p. 63, 1875, *Cyphodema* (*Agnocoris*).
Reuter, Hemip. Gymn. Eur., v, pp. 72, 362, pl. 4, fig. 8, 1896.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 45, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 20, 1916.
†*rubricatus* Hahn, Wanz. Ins., i, p. 156, 1831.
pulverulenta (Uhler), Trans. Md. Acad. Sci., i, p. 183, 1892, *Hadrodema.*
Van Duzee, Can. Ent., xxi, p. 3, 1889, *Hadrodema* (a MS name).
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Hadrodema.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 374, 1893, *Hadrodema.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Hadrodema.*
Gillette and Baker, Hemip. Colo., p. 32, 1895, *Hadrodema.*
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898, *Hadrodema.*
Smith, Cat. Ins. N. J., edn. 2, p. 130, 1900, *Hadrodema.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 357, 1904, *Hadrodema.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906, *Hadrodema.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Localities: Ont., Mass., Conn., N. Y., N. J., Pa., Md., D. C., Va., Ga., N. C., Wis., Ind., Ill., Ia., Kans., Colo., Utah, N. Mex., Texas, Manitoba, Calif. (Europe.)

1038. **Lygus distinguendus** Reut.

Reuter, Pet. Nouv. Ent., i, p. 541, 1875.
Reuter, Hemip. Gymn. Eur., v, p. 74, 1896.

Reuter, Ann. Mus. Zool. Acad. Sci. St. Pet., x, p. 47, 1906.
Reuter, Neark. Caps., p. 45, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914.
guttulosus Uhler MS, Reuter, Neark. Caps., p. 45, 1909.
Localities: Brit. Col., N. Mex., Calif. (Siberia.)

1038¼. **Lygus nubilus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 20, 1914 (as var. of [*distinguendus*).

Locality: Calif.

Genus **Tropidosteptes** Uhl.
Haplotype *cardinalis* Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 404, 1878.
Reuter, Neark. Caps., pp. 12, 48, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1039. **Tropidosteptes cardinalis** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 404, 1878.
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Reuter, Neark. Caps., p. 50, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914.
Leonard, Psyche, xxiii, p. 1, 1916 (life history).
Localities: Mass., Conn., N. Y., N. J., Pa., Ill., Fla.

1040. **Tropidosteptes imperialis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 487, 1912.
Locality: Texas.

Genus **Neoborus** Dist.
Logotype *saxeus* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 276, 1884.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1041. **Neoborus amoenus** (Reut.)

Reuter, Neark. Caps., p. 48, 1909, *Tropidosteptes.*
Dickerson and Weiss, Jl. N. Y. Ent. Soc., xxiv, p. 302, 1916.
†*saxeus* Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 264, 1894.
Slosson, Ent. News, xi, p. 323, 1900.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 359, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904.
Moore, Can. Ent., xxxix, p. 163, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910, *Tropidosteptes.*

var. **amoenus** (Reut.)
Reuter, Neark. Caps., p. 49, 1909, *Tropidosteptes.*

a. var. **palmeri** Reut.
Reuter, Can. Ent., xl, p. 112, 1908.
Reuter, Neark. Caps., p. 49, 1909, *Tropidosteptes.*
Van Duzee, Ottawa Nat., xxvi, p. 70, 1912, *Tropidosteptes.*
†*scutellatus* Provancher, Pet. Faune Ent. Can., iii, p. 124, 1887, *Orthops.*

b. var. **plagiata** (Reut.)
Reuter, Neark. Caps., p. 49, 1909, *Tropidosteptes.*

c. var. **signata** (Reut.)
Reuter, Neark. Caps., p. 49, 1909, *Tropidosteptes.*

d. var. **scutellaris** (Reut.)
Reuter, Neark. Caps., p. 49, 1909, *Tropidosteptes.*
Localities: Quebec, Ont., N. Y., N. J., Pa., Md., D. C., Kans., Ohio.

1042. **Neoborus geminus** (Say)

Say, Heter. N. Harm., p. 24, 1832; Fitch reprint, p. 788; Compl. Writ., i, p. [[344, *Capsus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 487, 1912, *Tropidosteptes.*
Localities: N. Y., Ind.

1043. **Neoborus tricolor** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 487, 1912, *Tropidosteptes.*
Locality: N. J.

1044. **Neoborus pettiti** (Reut.)

Reuter, Neark. Caps., p. 50, 1909, *Tropidosteptes.*
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910, *Tropidosteptes.*
Parshley, Psyche, xxi, p. 141, 1914.
†*punctulata* (Provancher), Pet. Faune Ent. Can., iii, p. 133, 1887, *Trichia.*
[*pettiti* Uhl. MS], Van Duzee, Can. Ent., xxi, p. 4, 1889.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., D. C., Ia., Kans.

1045. **Neoborus canadensis** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, 486, 1912, *Tropidosteptes*
Van Duzee, Ottawa Nat., xxvi, p. 68, 1912, *Tropidosteptes.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: Quebec, Ont., Calif.

Genus **Xenoborus** Reut.
Haplotype *commissuralis* Reut.

Reuter, Can. Ent., xl, p. 112, 1908 (as subgenus of *Neoborus*).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 208, 1916.

1046. **Xenoborus commissuralis** Reut.

Reuter, Can. Ent., xl, p. 112, 1908.
Reuter, Neark. Caps., p. 51, 1909, *Tropidosteptes.*
†*chloris* Provancher, Pet. Faune Ent. Can., iii, p. 134, 1887, *Sthenarops.*
[*laetus* Uhl. MS], Osborn, Ohio Nat., i, p. 12, 1900, *Neoborus.*
Localities: Quebec, Ont., N. Y.

1047. **Xenoborus plagifer** (Reut.)

Reuter, Neark. Caps., p. 51, 1909, *Tropidosteptes,*
Locality: Ont.

Genus **Neoborops** Uhl.
Haplotype *vigilax* Uhl.

Uhler, Hemip. Colo., p. 36, 1895.

1048. **Neoborops vigilax** Uhl.

Uhler, Hemip. Colo., p. 36, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904.
Localities: Colo., Ariz.(?), Pa. (Wirtner).

DIVISION *DERAEOCORARIA* (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 29, 445, 1865, family *Deraeocoridae*.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 206, 208, 1916.

Genus **Cimatlan** Dist.
Haplotype *delicatum* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 281, 1884.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.
Eustictus Reuter, Neark. Caps., p. 35, 1909.

1049. **Cimatlan delicatum** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 281, pl. 27, fig. 15, 1884.
Localities: Ariz. (Guatemala.)

1050. **Cimatlan venatorium** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 479, 1912, *Eustictus*.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Eustictus*.
Localities: N. Y., Fla.

1051. **Cimatlan catulum** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 257, 1894, *Megacoelum*.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Megacoelum*.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, 152, 1906, *Megacoelum*.
Reuter, Neark. Caps., p. 86, 1909, *Eustictus*.
Localities: N. Y., Kans., Texas.

1052. **Cimatlan mundum** (Uhl.)

Uhler, Ent. Am., iii, p. 71, 1887, *Megacoelum*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 179, 1909, *Eustictus*.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Eustictus*.
Localities: Fla., Ga.

1053. **Cimatlan pusillum** (Uhl.)

Uhler, Ent. Am., iii, p. 71, 1887, *Megacoelum*.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906, *Megacoelum*.
Reuter, Neark. Caps., p. 86, 1909, *Eustictus*.
Localities: Colo., Texas.

1054. **Cimatlan grossum** (Uhl.)

Uhler, Check List, p. 18, 1886, *Megacoelum* (a MS name).
Uhler, Ent. Am., iii, p. 70, 1887, *Megacoelum*.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892, *Megacoelum*.
Reuter, Neark. Caps., p. 35, 1909, *Eustictus*.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 179, 1909, *Eustictus.*
Smith, Cat. Ins. N. J., edn. 3, p. 163, 1910, *Eustictus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 501, 1914, *Eustictus.*
Localities: Mass., N. Y., N. J., Pa., Md., D. C., Fla.

Genus **Diplozona** Van D.
Orthotype *collaris* Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 112, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1055. **Diplozona collaris** Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 114, 1915.
Locality: Fla.

Genus **Eurychilopterella** Reut.
Haplotype *luridula* Reut.

Reuter, Neark. Caps., p. 59, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1915.

1056. **Eurychilopterella luridula** Reut.

Reuter, Neark. Caps., p. 60, 1909.
Heidemann, Proc. Ent. Soc. Wash., xii, p. 46, 1910.
Localities: N. Y., D. C.

Genus **Klopicoris** Van D.
Orthotype *phorodendronae* (Van D.)

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 115, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1057. **Klopicoris phorodendronae** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 22, 1914, *Camptobrochis.*
Locality: Calif.

Genus **Camptobrochys** Fieb.
Logotype *punctulatus* (Fall.)

Fieber, Wien. Ent. Monat., ii, p. 304, 1858.
Fieber, Europ. Hemip., p. 64, 1860.
Walker, Cat. Heter., vi, p. 42, 1873.
‡*Camptobrochis* Fieber, Europ. Hemip., p. 248, 1861.
Douglas and Scott, Brit. Hemip., p. 447, 1865.
Thomson, Opusc. Ent., iv, p. 427, 1871.
Reuter, Genera Cimic. Eur., p. 20, 1875.
Reuter, Rev. Crit. Caps., i, p. 83; ii, p. 68, 1875.
Provancher, Pet. Faune Ent. Can., iii, p. 115, 1887.
Reuter, Hemip. Gymn. Eur., v, pp. 37, 348, 1896.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 460, 1904 (names *punctulatus*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 140, 1906. [Fall. type).
Reuter, Neark. Caps., p. 52, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

Subgenus **Camptobrochys** Fieb.

Reuter, Neark. Caps., p. 54, 1909 (No. 16 in key; no name used).

1058. **Camptobrochys nebulosus** Uhl.

Uhler, Hayden's Surv. Terr. for 1871, p. 417, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 408, 1878.
Popenoe, Trans. Kans. Acad. Sci., ix, p. 63, 1885.
Provancher, Pet. Faune Ent. Can., iii, p. 116, 1887.
Van Duzee, Can. Ent., xix, p. 71, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892; pt. 4, p. 123, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 265, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894.
Slosson, Ent. News, vi, p. 321, 1895.
Gillette and Baker, Hemip. Colo., p. 38, 1895.
Osborn, Ohio Nat., i, p. 12, 1900.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 359, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Moore, Can. Ent., xxxix, p. 163, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Reuter, Neark. Caps., p. 59, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., D. C., Fla., Ohio, Kans., Ia., Colo., N. Mex., Ariz., Calif., Wash., B. C.

1059. **Camptobrochys strigulatus** (Walk.)

Walker, Cat. Heter., vi, p. 94, 1873, *Capsus*.
Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 111, 1904.
Locality: Canada.

1060. **Camptobrochys validus** Reut.

Reuter, Neark. Caps., p. 58, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 22, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
a. var. **cunealis** Reut.
Reuter, Neark. Caps., p. 59, 1909.
Localities: Mass., Pa., D. C., Ia., Colo., Nev., N. Mex., Calif.

1061. **Camptobrochys brevis** Uhl.

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 359, 1904.
Reuter, Neark. Caps., p. 59, 1909.
Localities: N. Mex., Utah, Nev.

1062. **Camptobrochys robustus** Uhl.

Uhler, Hemip. Colo., p. 39, 1895.
Locality: Colo.

Subgenus **Callicapsus** Reut.
Haplotype *histrio* Reut.

Reuter, Caps. Am. Bor., p. 75, 1876.
Reuter, Neark. Caps., p. 54, 1909. (No. 15 in key; no name used.)

1063. **Camptobrochys histrio** Reut.

Reuter, Caps. Am. Bor., p. 75, 1876, *Callicapsus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Callicapsus.*
Blatchley, Psyche, vii, p. 279, 1895, *Callicapsus.*
Wirtner, Ann. Carn. Mus., iii, p. 197, 1904, *Callicapsus.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1909, *Callicapsus.*
Reuter, Neark. Caps., p. 58, 1909.
Localities: Pa., "Carolina," Ind., Ia., Kans., Texas, Calif.

Subgenus **Mycterocoris** Uhl.
Haplotype *cerachates* (Uhl.)

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 358, 1904 (as genus).
Reuter, Neark. Caps., p. 53, 1909. (No. 12 in key; no name used.)

1064. **Camptobrochys cerachates** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 265, 1894, *Deraeocoris.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 358, 1904, *Mycterocoris.*
Reuter, Neark. Caps., p. 57, 1909.
Localities: Colo., N. Mex., Calif.

1065. **Camptobrochys schwarzii** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 375, 1893.
Reuter, Neark. Caps., p. 58, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 21, 1914.
Localities: N. Mex., Utah, Calif., Wash., B. C.

1066. **Camptobrochys fulgidus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 21, 1914.
Locality: Calif.

Subgenus **Euarmosus** Reut.
Haplotype *sayi* Reut.

Reuter, Caps. Am. Bor., p. 76, 1876 (as genus).
Reuter, Neark. Caps., p. 52, 1909.

1067. **Camptobrochys sayi** Reut.

Reuter, Caps. Am. Bor., p. 76, 1876, *Euarmosus.*
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904, *Euarmosus.*
Reuter, Neark. Caps., p. 55, 1909.
Localities: Pa., Texas, Colo., Calif.

1068. **Camptobrochys nigritus** Reut.

Reuter, Neark. Caps., p. 55, 1909.
Localities: D. C., Md., Ga.

1069. **Camptobrochys fulvescens** Reut.

Reuter, Neark. Caps., p. 56, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 21, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Localities: Colo., Calif.

1070. **Camptobrochys grandis** Uhl.

Uhler, Ent. Am., ii, p. 230, 1887.
Provancher, Pet. Faune Ent. Can., iii, p. 116, 1887.

Van Duzee, Can. Ent., xxi, p. 4, 1889.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 359, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 194, 1904.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Reuter, Neark. Caps., p. 56, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 164, 1910.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Ohio, Md., Mo., Kans., Ia., Colo., N. Mex., B. C.

a. var. **nitens** Reut.
Reuter, Neark. Caps., p. 56, 1909.
Parshley, Psyche, xxi, p. 142, 1914.
Van Duzee, Check List Hemip., p. 41, 1916 (as variety).
Localities: Ont., Mass., N. Y., D. C., Colo.

Genus **Deraeocoris** Kirschb.
Logotype *olivaceus* (Fabr.)

Kirschbaum, Rhyng. v. Wiesbd., Caps., pp. 31, 48, 1855.
Stål, Hemip. Afr., iii, p. 20, 1865.
Stål, Hemip. Fabr., i, p. 87, 1868.
Reuter, Genera Cimic. Eur., p. 21, 1875.
Reuter, Rev. Crit. Caps., i, p. 84; ii, p. 71, 1875.
Atkinson, Cat. Capsidae, p. 98, 1889.
Hüeber, Synop. deut. Blindw., i, pp. 80, 378, 1894.
Reuter, Hemip. Gymn. Eur., v, pp. 18, 348, 1896.
Distant, Fauna Brit. Ind., ii, p. 465, 1904 (names *olivaceus* Fabr. type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 141, 1906 (names *medius* Kirschb. [type).
Oshanin, Verz. Palae. Hemip., i, p. 748, 1909.
Oshanin, Kat. Palae. Hemip., p. 67, 1912 (names *ruber* Linn. pseudotype).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.
†*Capsus* Fieber, Wien. Ent. Monat., ii, p. 307, 1858.
Fieber, Europ. Hemip., p. 264, 1861.
Douglas and Scott, Brit. Hemip., p. 441, 1865. [*brachialis* Stål).
Macrocapsus Reuter, Of. Finska Vet.-Soc. Forh., xxi, p. 55, 1879 (type

1071. **Deraeocoris ruber** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 446, 1758; edn. 12, i, p. 723, 1767, *Cimex.*
Goeze, Ent. Beytr., ii, p. 204, 1778, *Cimex.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 755, 1910.
Oshanin, Kat. Palae. Hemip., p. 67, 1912.
Cimex No. 17, Geoffroy, Hist. Abrég. des Ins., i, p. 444, 1762.
Cimex No. 50, Geoffroy, Hist. Abrég. des Ins., i, p. 459, 1762.
‖*gothicus* Scopoli, Ent. Carn., p. 131, 1763, *Cimex.*
Schrank, Enum. Ins. Austr., p. 283, 1781, *Cimex.*
Rossi, Fauna Etrusc., ii, p. 249, 1790, *Cimex.*

laniarius Linneaus, Syst. Nat., edn. 12, p. 726, 1767, *Cimex.*
Reuter, Rev. Crit. Caps., ii, p. 72, 1875.
Saunders, Heter. Brit. Isds., p. 260, 1892, *Capsus.*
Puton, Cat. Hémip. Palae., edn. 3, p. 51, 1886, *Capsus.*
capillaris Fabricius, Syst. Ent., p. 725, 1775, *Cimex.*
Fabricius, Mantissa Ins., ii, p. 305, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 180, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 244, 1803, *Capsus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 232, 1804, *Capsus.*
Burmeister, Handb. d. Ent., ii, p. 274, 1835, *Capsus.*
Blanchard, Hist. des Ins., Hémip., p. 139, 1840, *Phytocoris.*
Amyot and Serville, Hémip., p. 281, 1843, *Capsus.*
Costa, Cimic. Reg. Neap., Cent., iii, p. 44, 1852, *Capsus.*
Fieber, Europ. Hemip., p. 266, 1861, *Capsus.*
Douglas and Scott, Brit. Hemip., p. 442, pl. 14, fig. 8, 1865, *Capsus.*
Stål, Hemip. Fabr., i, p. 87, 1863.
Thomson, Opusc. Ent., iv, p. 430, 1871.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 408, 1878, *Capsus.*
Uhler, Check List, p. 19, 1886, *Capsus.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
cimbricus Muller, Zool. Danicae Prodr., p. 106, 1776, *Cimex.*
Goeze, Ent. Beytr., ii, p. 252, 1778, *Cimex.*
croceus Goeze, Ent. Beytr., ii, p. 265, 1778, *Cimex.*
Geoffroy *in* Fourcroy, Ent. Paris., p. 200, 1785, *Cimex.*
rubro-acuminatus Goeze, Ent. Beytr., ii, p. 268, 1778, *Cimex.*
?luteus Goeze, Ent. Beytr., ii, p. 278, 1778, *Cimex.*
biguttatus Goeze, Ent. Beytr., ii, p. 278, 1778, *Cimex.*
rubens Harris, Expos. Eng. Ins., p. 90, pl. 26, fig. 10, 1781, *Cimex.*
melinus Harris, Expos. Eng. Ins., p. 90, pl. 26, fig. 11, 1781, *Cimex.*
flammeus Geoffroy *in* Fourcroy, Ent. Paris., p. 210, 1785, *Cimex.*
rufescens Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2160, 1788, *Cimex.*
?fuliginosus Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2164, 1788, *Cimex.*
?chrysocephalus Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2164, 1788, [*Cimex.*
haematocephalus Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2166, 1788, [*Cimex.*
haematostictos Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2181, 1788, [*Cimex.*
adustus Gmelin *in* Linnaeus, Syst. Nat., edn. 13, iv, p. 2185, 1788, *Cimex.*
bimaculatus Schrank, Fauna Boica, p. 88, 1801, *Cimex.*
olivaceus Schrank, Fauna Boica, p. 89, 1801, *Cimex.* [p. 674, 1806, *Cimex.*
‡*daniae* Turton *in* Linnaeus, Syst. Nat., Eng. transl. of Gmelin edn., ii,
geniculatus Turton *in* Linnaeus, Syst. Nat., Eng. transl. of Gmelin edn., [ii, p. 687, 1806, *Cimex.*
†*segusinus* Reuter, Rev. Synon., p. 279, No. 254, 1888.
Reuter, Hemip. Gymn. Eur., v, pp. 32, 352, 1896.

a. var. **danicus** Fabr.
Fabricius, Ent. Syst., iv, p. 181, 1794, *Lygaeus.*
Wolff, Icon. Cimic., i, p. 34, 1800, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 245, 1803, *Capsus.*
Fallén, Monog. Cimic. Suec., p. 93, 1807, *Lygaeus.*

Fallén, Hemip. Suec. Cimic., p. 109, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 17, fig. 9, 1831, *Capsus.*

b. var. **segusinus** Muller
Muller, Manip. Ins. Taur., p. 191, 1766, *Cimex.*
tricolor Fabricius, Mantissa Ins., p. 306, 1787, *Cimex.*
Fabricius, Ent. Syst., iv, p. 181, 1794, *Lygaeus.*
Wolff, Icon. Cimic., i, p. 35, fig. 35, 1800, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 245, 1803, *Capsus.*
Panzer, Fauna Germ., fasic. xciii, fig. 20, 1804, *Capsus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 233, 1804, *Capsus.*
Dufour, Recher. Anat. Hémip., p. 176, 1833, *Capsus.*
Herrich–Schaeffer, Nomen. Ent., i, p. 51, 1835, *Capsus.*
Spinola, Essai sur les Hémip., p. 190, 1837 (1840), *Capsus.*
Meyer–Duer, Verz. Schw. Rhyn., p. 108, 1843, *Capsus.*
Kirschbaum, Rhyng. v. Wiesbd., Caps., p. 52, 1855, *Capsus* (*Deraeo-*
Flor, Rhyng. Livl., i, p. 509, 1860, *Capsus.* [*coris*).

c. var. **concolor** Reut.
Reuter, Hemip. Gymn. Eur., v, p. 34, 1896.
Localities: N. Y., Pa. (Europe, S. Am.)

1071¼. **Deraeocoris ingens** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 237, 1916.
Locality: Calif.

1071½. **Deraeocoris fraternus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 238, 1916.
Locality: Calif.

Subfamily BRYOCORINAE (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 28, 276, 1865, Fam. *Bryocorinae.*
Reuter, Rev. Crit. Caps., i, p. 76; ii, p. 79, 1875, Div. *Bryocoraria.*
Reuter, Genera Cimic. Eur., p. 6, 1875, Div. *Bryocoraria.*
Distant, Biol. Centr. Am., Heter., i, p. 283, 1884, Div. *Bryocoraria.*
Puton, Cat. Hemip. Palae., edn. 3, p. 46, 1886, *Bryocoraria.*
Uhler, Check List, p. 19, 1886, *Bryocoraria.*
Provancher, Pet. Faune Ent. Can., iii, pp. 98, 129, 1887, *Bryocorides.*
Atkinson, Cat. Capsidae, p. 40, 1889, Div. *Bryocoraria.*
Reuter, Ann. Soc. Ent. Fr., lxi, p. 393, 1892, Div. *Bryocoraria.*
Hüeber, Synop. deut. Blindw., i, pp. 17, 72, 1894, *Bryocoraria.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 471, 1904, Div. *Bryocoraria.*
Reuter, Festsch. f. Palmen, i, pp. 24, 29, 1905, Div. *Bryocoraria.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 135, 1906, Tribe *Bryocorini.*
Kirkaldy, Can. Ent., xxxviii, p. 372, 1906, Tribe *Bryocorini.*
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 33, 1907, Div. *Bryocoraria.*
Oshanin, Verz. Palae. Hemip., i, p. 645, 1909, Div. *Bryocoraria.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 121, 152, 1910.
Oshanin, Kat. Palae. Hemip., p. 70, 1912 (Tribe). [Tribe *Bryocorini.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 203, 209, 1916,

TRIBE *PYCNODERINI* (Reut.)

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 123, 1910, Div. *Pycnoderaria.*

Genus **Cyrtocapsus** Reut.
Haplotype *caligineus* Stål

Reuter, Caps. Am. Bor., p. 78, 1876.
Reuter, Ann. Soc. Ent. Fr., lxi, p. 393, 1892.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916. [Dist.).
Pirithous Distant, Biol. Centr. Am., Heter., i, p. 302, 1884 (type *pallipes*

1072. **Cyrtocapsus caligineus** (Stål)

Stål, Freg. Eug. Resa, Ins., p. 258, 1859, *Capsus.*
Reuter, Caps. Am. Bor., p. 79, 1876.
Distant, Biol. Centr. Am., Heter., i, p. 450, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 267, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 32, 1907; ix, p. 178, 1909.
pallipes (Distant), Biol. Centr. Am., Heter., i, p. 302, pl. 29, fig. 11, 1884,
Localities: Fla., Calif. (West Indies, Mexico.) [*Perithous.*

Genus **Halticotoma** Reut.
Haplotype *valida* Reut.

Reuter, Ann. Soc. Ent. Belg., lvii, p. 278, 1913.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1073. **Halticotoma valida** Reut.

Townsend, Can. Ent., xxiv, p. 194, 1892 (a MS name).
Reuter, Ann. Soc. Ent. Belg., lvii, p. 279, 1913 (described).
luteiceps (Hunter and Pratt), U. S. Dept. Agr., Div. Ent., Bul. n.s. 113, [p. 36, 1912, *Sixeonotus.*
Localities: N. Mex., Ariz., Texas.

Genus **Sixeonotus** Reut.
Haplotype *insignis* Reut.

Reuter, Caps. Am. Bor., p. 77, 1875.
Uhler, Ent. Am., iii, p. 149, 1887.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 157, 1907 (description).
Reuter, Neark. Caps., p. 3, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1074. **Sixeonotus insignis** Reut.

Reuter, Caps. Am. Bor., p. 78, 1876.
Gillette and Baker, Hemip. Colo., p. 40, 1895, *Pycnoderes.*
Smith, Cat. Ins. N. J., edn. 2, p. 131, 1900, *Eccritotarsus.*
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904, *Pycnoderes.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905, *Pycnoderes.*
Slosson, Ent. News, xvii, p. 326, 1906, *Pycnoderes.*
Snow, Trans. Kans. Acad. Sci., i, pt. 1, pp. 152, 179, 1906, *Pycnoderes.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 178, 1909, *Pycnoderes.*
Reuter, Neark. Caps., p. 3, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: N. H., N. Y., N. J., Md., Pa., Fla., Texas.

1075. **Sixeonotus tenebrosus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 441, 1893, *Eccritotarsus.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 178, 1909.
Reuter, Neark. Caps., p. 3, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Md., Kans., Fla. (Central America.)

1076. **Sixeonotus luteiceps** Reut.

Reuter, Neark. Caps., p. 4, 1909.
Reuter, Ann. Soc. Ent. Belg., lvii, p. 278, 1913 (notice).

? 1077. **Sixeonotus scabrosus** (Uhl.)

Uhler, Hemip. Colo., p. 40, 1895, *Eccritotarsus.*
Van Duzee, Check List Hemip., p. 41, 1916, *Eccritotarsus.*
Locality: Colo.
[This cannot be an *Eccritotarsus.*]

Genus **Pycnoderes** Guer.
Haplotype *quadrimaculatus* Guer.

Guerin *in* La Sagra, Hist. de Cuba, vii, p. 168, 1857.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 41, 1907 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916. [Dist.).
Physetonotus Reuter, Ann. Soc. Ent. Fr., lxi, p. 394, 1892 (type *atratus*
Orinonotus Reuter, Ann. Soc. Ent. Fr., lxi, p. 395, 1892 (type *incurvus* Dist.).
Arsinotus Berg, Ann. Soc. Sci. Arg., xxxiv, p. 198, 1892 (type *albipes*
[Berg).

1078. **Pycnoderes quadrimaculatus** Guer.

Guerin *in* La Sagra, Hist. de Cuba, vii, p. 169, pl. 13, fig. 12, 1857.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 267, 1894.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 149, 1907.
Reuter, Neark. Caps., p. 2, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: N. H., Mass., Fla., Texas, Ariz., Calif. (Mexico, West Indies.)

1079. **Pynoderes dilatatus** Reut.

Reuter, Neark. Caps., p. 3, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Localities: N. J., Md., D. C.

1080. **Pycnoderes atratus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 285, pl. 26, fig. 20, 1884, *Eccritotarsus.*
Distant, Biol. Centr. Am., Heter., i, p. 441, 1893, *Eccritotarsus.*
Reuter, Ann. Soc. Ent. Fr., lxi, p. 395, 1892, *Physetonotus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 193, *Eccritotarsus.*
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 160, 1907.
Localities: Texas, Calif. (Central America.)

1081. **Pycnoderes incurvus** (Dist.)

Distant, Biol. Centr. Am., Heter., i, p. 285, pl. 26, fig. 19, 1884, *Eccritotarsus.*
Distant, Biol. Centr. Am., Heter., i, p. 440, 1893, *Eccritotarsus.*
Reuter, Ann. Soc. Ent. Fr., lxi, p. 396, 1892, *Orinonotus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 193, *Eccritotarsus.*
Reuter, Ann. k. k. Hofms. Wien, xxii, p. 160, 1907.
Localities: "S. St." (Guatemala.)

TRIBE *BRYOCORINI* (Reut.)

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 123, 1910, Div. *Bryocoraria.*

Genus **Monalocoris** Dahlb.
Haplotype *filicis* Linn.

Dahlbom, Kongl. Vet. Akad. Handl. for 1850, p. 209, 1851.
Kirschbaum, Rhyng. v. Wiesbd., Caps., p. 31, 1855.
Fieber, Wien. Ent. Monat., ii, p. 300, 1858.
Fieber, Europ. Hemip., pp. 61, 237, 1861.
Douglas and Scott, Brit. Hemip., p. 278, 1865.
Walker, Cat. Heter., vi, pp. 40, 159, 1873.
Reuter, Genera Cimic. Eur., p. 22, 1875.
Reuter, Rev. Crit. Caps., i, p. 84; ii, p. 79, 1875.
Provancher, Pet. Faune Ent. Can., iii, p. 129, 1887.
Hüeber, Synop. deut. Blindw., i, pp. 17, 72, 1894.
Reuter, Ann. k. k. Nat. Hofm. Wien, xxii, p. 161, 1907 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1082. **Monalocoris filicis** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 443, 1758; edn. 12, i, p. 718, 1767, *Cimex.*
Wolff, Icon. Cimic., ii, p. 46, fig. 43, 1801, *Acanthia.*
Fallén, Monog. Cimic. Suec., p. 92, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 108, 1829, *Phytocoris.*
Hahn, Wanz. Ins., ii, p. 86, fig. 172, 1834, *Phytocoris.*
Herrich–Schaeffer, Nomen. Ent., i, p. 51, 1835, *Capsus.*
Meyer–Duer, Verz. Schw. Rhyng., p. 71, 1843, *Capsus.*
Kolenati, Melet. Ent., ii, p. 129, 1845, *Bryocoris.*
Sahlberg, Monog. Geoc. Fenn., p. 113, 1848, *Capsus.*
Dahlbom, Kongl. Vet. Akad. Handl. for 1850, p. 209, 1851.
Kirschbaum, Rhyng. v. Weisbd., Caps., p. 70, 1855, *Capsus.*
Flor, Rhyng. Livl., i, p. 539, 1850, *Capsus.*
Fieber, Europ. Hemip., p. 238, 1861.
Douglas and Scott, Brit. Hemip., p. 279, pl. 10, fig. 2, 1865.
Thomson, Opusc. Ent., iv, p. 433, 1871, *Bryocoris.*
Reuter, Rev. Crit. Caps., ii, p. 79, 1875.
Reuter, Caps. Am. Bor., p. 76, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876; iii, p. 413, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 130, 1887.
Uhler, Ent. Am., iii, p. 150, 1887.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Reuter, Rev. Synon., p. 284, No. 256, 1888.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Saunders, Heter. Brit. Isds., p. 130, 1892.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Hüeber, Synop. deut. Blindw., i, p. 73, 1894.
Slosson, Ent. News, v, p. 5, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1908.

Moore, Can. Ent., xxxix, p. 163, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Van Duzee, Can. Ent., xl, p. 112, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 177, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Parshley, Psyche, xxi, p. 142, 1914.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Fla., Wis., B. A. (Europe, Mexico.)

TRIBE *ECCRITOTARSINI* (Berg)

Berg, Hemip. Arg., Add., p. 81, 1884, Div. *Eccritotasaria* Reut. *in litt.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 123, 1910, Div. *Eccritotarsaria.*

Genus **Sysinas** Dist.
Logotype *audens* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 248, 1883.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 36, 1907 (redescribed).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1083. **Sysinas linearis** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 248, pl. 23, fig. 21, 1883.
Banks, Cat. Nearc. Hemip., p. 38, 1910.
Localities: "N. Y." (Banks). (Mexico.)

Genus **Dacota** Uhl.
Haplotype *hesperia* Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 413, 1872.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 135, 1906.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 162, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1084. **Dacota hesperia** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 414, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 318, 1876.
Localities: Dak., Colo.

Genus **Caulotops** Bergr.
Haplotype *puncticollis* Bergr.

Bergroth, Wien. Ent. Zeit., xvii, p. 33, 1898.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 135, 1906.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 154, 1907 (description).
Reuter, Neark. Caps., p. 2, 1909 (correction).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 209, 1916.

1085. **Caulotops agavis** Reut.

Reuter, Neark. Caps., p. 1, 1909.
Locality: Ariz.
(*Tenthecoris bicolor* Scott, see additions at end of volume.)

Genus **Hesperolabops** Kirk.
Haplotype *gelastops* Kirk.

Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 249.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 131, 1906.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 151, 1907 (redescribed).

1086. **Hesperolabops gelastops** Kirk.

Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 250, pl. 5, fig. 2.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 152, 1907 (redescribed).
[*picta* Uhl. MS] in lit.
Localities: Texas. (Mexico.)

Subfamily CLIVINEMINAE (Reut.)

Reuter, Caps. Am. Bor., p. 62, 1875, Div. *Clivinemaria.*
Reuter, Festsch. f. Palmen, i, p. 23, 1905, Div. *Clivinemaria.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 135, 1906, Tribe *Clivinemini.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 203, 210, 1916.
Bothriomirini Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 145, 1906, Tribe.
Ambraciini Kirkaldy, Can. Ent., xxxviii, p. 372, 1906, Tribe.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 124, 154, 1910, [Subfam. *Ambraciina* and Div. *Ambraciaria.*

Genus **Clivinema** Reut.
Haplotype *villosa* Reut.

Reuter, Caps. Am. Bor., p. 63, 1876.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1087. **Clivinema villosa** Reut.

Reuter, Caps. Am. Bor., p. 63, 1876.
Uhler, Proc. Ent. Soc. Wash., ii, p. 372, 1893.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Barber, Brookl. Ins. Sci. Bul., i, p. 278, 1906.
Localities: Colo., Utah, Texas, Ariz.

1087½. **Clivinema regalis** Kngt.

Knight, Ent. News, xxviii, p. 5, 1917.
Locality: Texas.

Genus **Largidea** Van D.
Orthotype *marginata* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 480, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1088. **Largidea rubida** (Uhl.)

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 355, 1904, *Clivinema.*
Van Duzee, Check List Hemip., p. 42, 1916.
Locality: N. Mex.

1089. **Largidea marginata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 481, 1912.
Locality: Colo.
[Not *rubida* Uhler.]

1089½. **Largidea grossa** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 238, 1916.
Locality: Calif.

1089¾. **Largidea davisi** Kngt.

Knight, Ent. News, xxviii, p. 7, 1917.
Locality: N. Y.

Subfamily CYLAPINAE (Popp.)

Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 1, 1909, *Cylapina.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 125, 1910, *Cylapina.*

TRIBE *CYLAPINI* (Kirk.)

Kirkaldy, Wien. Ent. Zeit., xxii, p. 13, 1903, Div. *Cylaparia* (part).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 433, 1904, Div. *Cylaparia.*
Reuter, Festsch. f. Palmen, i, pp. 19, 28, 1905, Div. *Cylaparia.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 134, 1906.
Kirkaldy, Can. Ent., xxxviii, p. 371, 1906, Tribe *Cylapini.*
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 1, 1909, Div. *Cylaparia.*
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 76, 1907, Div. *Cylaparia.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 127, 1910, Div. *Cylaparia.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 202, 1916.
Valdasaria Distant, Biol. Centr. Am., Heter., i, p. 242, 1883 (division).

Genus **Cylapus** Say
Logotype *tenuicornis* Say

Say, Heter. N. Harm., p. 26, 1832; Fitch reprint, p. 791; Compl. Writ., i,
Distant, Biol. Centr. Am., Heter., i, p. 419, 1893. [p. 347.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 134, 1906.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 76, 1907 (description).
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, pp. 3, 9, 10, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., lv, Afd. A, No. 18, p. 56, 1913 (descrip-
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916. [tion).
Valdasus Stål, Rio Jan. Hemip., i, p. 56, 1858.
Distant, Biol. Centr. Am., Heter., i, p. 243, 1883.

1090. **Cylapus tenuicornis** Say

Say, Heter N. Harm., p. 26, 1832; Fitch reprint, p. 792; Compl. Writ., i,
Uhler, Check List, p. 20, 1886. [p. 347.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 68, 1891.
Uhler, Proc. Ent. Soc. Wash., ii, p. 123, 1891.
Banks, Ent. News, iv, p. 268, 1893.
Wirtner, Ann. Carn. Mus., iii, p. 196, 1904.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 10, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Localities: Ont., N. Y., Pa., Md., Ind.

TRIBE *FULVIINI* (Uhl.)

Uhler, Check List, p. 19, 1886, *Fulvaria.*
Reuter, Ent. Tidskr., xvi, p. 133, 1895, Div. *Fulvaria.*
Reuter, Festsch. f. Palmen, i, pp. 17, 27, 1905, Div. *Fulvaria.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 143, 1906.
Kirkaldy, Can. Ent., xxxviii, p. 371, 1906.
Reuter, Neark. Caps., p. 65, 1909, Div. *Fulvaria.*
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 18, 1909, Div. *Fulvaria.* (Key.)
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 126, 1910, Div. *Fulvaria.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 204, 1916.
Teratodellaria Reuter, Rev. Crit. Caps., i, p. 75, 1875. (Division.)
Reuter, Genera Cimic. Eur., p. 5, 1875. (Division.)

Reuter, Hemip. Gymn. Eur., iii, p. 564, 1884. (Division.)
Distant, Fauna Brit. Ind., Rhyn., ii, p. 470, 1904.
Peritropini Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 145, 1906.

Genus **Fulvius** Stål
Haplotype *anthocoroides* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 322, 1862.
Distant, Biol. Centr. Am., Heter., i, p. 281, 1884.
Reuter, Ent. Tidskr., xvi, p. 129, 1895. (Monograph.)
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 143, 1906.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 29, 1909. (Key.)
Teratodella Reuter, Genera Cimic. Eur., p. 7, 1875. (Type *anthocoroides*
Reuter, Rev. Crit. Caps., i, p. 77, 1875. [Reut.)
Bergroth, Ent. Nachr., v, p. 108, 1879. [*anthocoroides* Uhl.)
Pamerocoris Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 424, 1877. (Type
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 412, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 126, 1887.
Camelocapsus Reuter, Bul. Soc. Ent. Fr., ser. 5, viii, p. cv, 1878. (Type
[*oxycarenoides* Reut.)

1091. **Fulvius brunneus** (Prov.)

Provancher, Nat. Can., iv, p. 104, 1872, *Lygus.*
Provancher, Pet. Faune Ent. Can., iii, p. 127, 1887, *Pamerocoris.*
Reuter, Ent. Tidskr., xvi, p. 140, 1895.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 31, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910. [*Pamerocoris.*
‖*anthocoroides* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 425, 1877,
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 425, 1878, *Pamerocoris.*
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 274, 1894, *Pamerocoris.*
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Smith, Cat. Ins. N. J., edn. 2, p. 130, 1900.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Pamerocoris.*
Localities: Ont., Mass., N. Y., N. J., Md., D. C., Wis., Ia., Kans., Colo., Calif.

1092. **Fulvius imbecilis** (Say)

Say, Hemip. N. Harm., p. 25, 1832; Fitch reprint, p. 790; Compl. Writ., i, p.
Uhler, Check List, p. 19, 1886, *Poeciloscytus imbecillus.* [345, *Capsus.*
Van Duzee, Check List Hemip., p. 42, 1916.
heidemanni Reuter, Ent. Tidskr., xvi, p. 142, 1895 (*heinemanni*).
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 31, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: Pa., Md., Del., Va., Ind.

1093. **Fulvius atratus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 282, pl. 27, fig. 18, 1884.
Reuter, Ann. Soc. Ent. Fr., lxi, p. 391, 1892.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 192.
Reuter, Ent. Tidskr., xvi, p. 148, 1895.

Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 32, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: "U. S.," Fla. (Neotropical.)

Genus **Peritropis** Uhl.
Haplotype *saldaeformis* Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 121, 1891.
Reuter, Neark. Caps., p. 66, 1909.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 24, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 42, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916. [Dist.)
Mevius Distant, Hemip. Brit. Ind., Rhyn., ii, p. 453, 1904. (Type *lewisi*

1094. **Peritropis saldaeformis** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 122, 1891.
Reuter, Neark. Caps., p. 66, 1909.
Poppius, Acta Soc. Sci. Fenn., xxxvii, No. 4, p. 24, 1909.
Localities: Pa., D. C., Ill., Texas. (Neotropical.)

Subfamily DICYPHINAE Osh.

Oshanin, Kat. Palae. Hemip., p. 70, 1912.
Van Duzee, Check List. Hemip., p. 42, 1916.
Macrolophina Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 118, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 202, 1916.

TRIBE *HALLODAPINI* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 203, 204, 210,
¶*Myrmicocoridae* Douglas and Scott, Brit. Hemip., pp. 34, 628, 1865. [1916.
Eroticoridae Douglas and Scott, Brit. Hemip., pp. 471, 628, 1865.
Cremnocephalaria Reuter, Neark. Caps., p. 64, 1909. (Division.)
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 119, 120, 150, 1910.
Oshanin, Kat. Palae. Hemip., p. 71, 1912. (Tribe.) [(Division.)
Systellonotaria Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p.
[46, 1912. (Division.)

Genus **Dacerla** Bergr.
Haplotype *inflatus* Uhl.

¶Signoret, Bul. Soc. Soc. Ent. Fr. for 1881, p. clvii.
Bergroth, Ent. News, viii, p. 95, 1897.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 132, 1906.
Reuter, Neark. Caps., p. 8, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 150, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.
‖*Myrmecopsis* Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 276, 1894 (type
[*inflatus* Uhl.).

1095. **Dacerla inflata** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 277, 1894, *Myrmecopsis*.
Reuter, Neark. Caps., p. 8, 1909 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 239, 1916.
¶*mediospinosa* Signoret, Bul. Soc. Ent. Fr. for 1881, p. clvii.
Locality: Calif.

Genus **Cyrtopeltocoris** Reut.
Haplotype *albo-fasciatus* Reut.

Reuter, Caps. Am. Bor., p. 81, 1876.
Reuter, Neark. Caps., p. 65, 1909, *Syrtopeltocoris*.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1096. **Cyrtopeltocoris albo-fasciatus** Reut.

Reuter, Caps. Am. Bor., p. 81, 1876.
Barber, Brookl. Inst., Sci. Bul., i, p. 281, 1906.
Localities: Colo., Texas.

Genus **Sericophanes** Reut.
Haplotype *ocellatus* Reut.

Reuter, Caps. Am. Bor., p. 79, 1876.
Reuter, Neark. Caps., p. 65, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.
Myrmecopeplus Berg, Hemip. Arg. Add., p. 84, 1884 (type *ornatus* Berg).

1097. **Sericophanes ocellatus** Reut.

Reuter, Caps. Am. Bor., p. 79, 1876.
Popenoe, Trans. Kans. Acad. Sci., ix, pp. 63, 233, 1885.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894.
Osborn, Proc. Ia. Acad. Sci., v, p. 238, fig. 16, 1898.
Montgomery, Ent. News, xiii, p. 13, 1902.
Localities: Mass., N. Y., Ia., Kans., Texas.

1097½. **Sericophanes noctuans** Kngt.

Knight, Ent. News, xxviii, p. 4, 1917.
Locality: N. Y.

Sericophanes sp.

Heidemann, Proc. Ent. Soc. Wash., xii, p. 46, 1910.

Genus **Teleorhinus** Uhl.
Haplotype *cyaneus* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 74, 1890.

1098. **Teleorhinus cyaneus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 75, 1890.
Locality: Calif.

Genus **Closterocoris** Uhl.
Haplotype *ornata* Uhl. = *amoenus* Prov.

Uhler, Trans. Md. Acad. Sci., i, p. 76, 1890.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.
†*Pycnopterna* Provancher, Pet. Faune Ent. Can., iii, p. 114, 1887.

1099. **Closterocoris amoenus** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 114, 1887, *Pycnopterna*.
Harrington, Ottawa Nat., vi, p. 27, 1892, *Pycnopterna*.
Van Duzee, Can. Ent., xliv, p. 321, 1912.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 26, 1914.
ornata Uhler, Trans. Md. Acad. Sci., i, p. 77, 1890.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 274, 1894.
Localities: Calif., "Ottawa" (accidental) Prov.

Genus **Cyphopelta** Van D.
Orthotype *modesta* Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 81, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1100. **Cyphopelta modesta** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 81, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 26, 1914.
Locality: Calif.

Genus **Orectoderus** Uhl.
Haplotype *obliquus* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876.
Reuter, Neark. Caps., p. 65, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 151, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1101. **Orectoderus obliquus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 320, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328.
Gillette and Baker, Hemip. Colo., p. 47, 1895.
Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 249, figs. 1, 2, 5, 23.
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 47, 1912.
Parshley, Psyche, xxi, p. 142, 1914.
Localities: Ont., Me., N. Y., N. J., Colo., Manitoba.

1102. **Orectoderus longicollis** Uhl.

Uhler, Hemip. Colo., p. 47, 1895.
Locality: Colo.

Genus **Coquillettia** Uhl.
Haplotype *insignis* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 78, 1890.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.

1103. **Coquillettia insignis** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 79, 1890.
Gillette and Baker, Hemip. Colo., p. 48, 1895.
Snow, Univ. Kans. Sci. Bul., ii, p. 348, 1904.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Van Duzee, San Diego Soc. Nat. Hist., ii, p. 26, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.
Localities: Kans., Colo., Ariz., Calif.

1104. **Coquillettia mimetica** Osb.

Osborn, Proc. Ia. Acad. Sci., v, p. 236, 1898.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Fla., Ia., Ariz.

1105. **Coquillettia amoenus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 426, 1877, *Orectoderus.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Orectoderus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Orectoderus.*
Gillette and Baker, Hemip. Colo., p. 47, 1895, *Orectoderus.*
Van Duzee, Check List Hemip., p. 42, 1916.
Localities: Kans., Colo.

TRIBE *DICYPHINI* (Reut.)

Reuter, Hemip. Gymn. Eur., iii, pp. 408, 559, 566, 1883, Div. *Dicypharia.*
Reuter, Festschr. f. Palmen, i, p. 18, 1905, Div. *Dicypharia.*
Reuter, Ann. k. k. Nat. Hofms. Wien, xx, p. 77, 1907, Div. *Dicypharia.*
Reuter, Neark. Caps., p. 61, 1909, Div. *Dicypharia.*
Oshanin, Kat. Palae. Hemip., p. 70, 1912, Tribe *Dicypharia.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 203, 204, 210, 1916.
Idolocoridae Douglas and Scott, Brit. Hemip., pp. 31, 367, 1865. (Family.)
Campyloneuraria Kirkaldy, Fauna Hawai., iii, p. 138, 1902. (Division.)
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 129, 1906, Tribe *Campy-*
[*loneurini.*
Macrolopharia Kirkaldy, Can. Ent., xxxviii, p. 371, 1906, Tribe *Macro-*
[*lophini.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 121, 1910. (Division.)
Poppius, Of. Finska Vet.-Soc. Forh., liii, Afd. A, No. 2, p. 29, 1911.
[(Division.)

Genus **Hyaliodes** Reut.
Haplotype *vitripennis* Say

Reuter, Caps. Am. Bor., p. 83, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 142, 1887.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 78, 1907 (description).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 210, 1916.
Neocarnus Distant, Biol. Centr. Am., Heter., i, p. 289, 1884.
Reuter, Neark. Caps., p. 62, 1909.

1106. **Hyaliodes vitripennis** (Say)

Say, Heter. N. Harm., p. 24, 1832; Fitch reprint, p. 789; Compl. Writ., i,
Reuter, Caps. Am. Bor., p. 84, 1876. [p. 345, *Capsus.*
Saunders, Ins. Inj. to Fruits, p. 228, 1883, *Campyloneura.*
Uhler, Stand. Nat. Hist., ii, p. 287, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 143, 1887.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894.
Seiss, Ent. News, viii, p. 67, 1897.
Osborn, Ohio Nat., i, p. 12, 1900.
Montgomery, Ent. News, xiii, p. 13, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905.

Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Moore, Can. Ent., xxxix, p. 162, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Reuter, Neark. Caps., p. 61, 1909.
Smith, Cat. Ins. N. J., edn. 3, 161, 1910.
Parshley, Psyche, xxi, p. 142, 1914.

a. var. **discoidalis** Reut.

Reuter, Neark. Caps., p. 61, 1909.

Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., N. C., Ohio, Ia., Kans.

Genus **Dicyphus** Fieb.
Logotype *pallidus* H. S.

Fieber, Wien. Ent. Monat., ii, p. 327, 1858.
Fieber, Europ. Hemip., pp. 77, 325, 1861.
Thomson, Opusc. Ent., iv, p. 435, 1871.
Reuter, Genera Cimic. Eur., p. 27, 1875.
Reuter, Rev. Crit. Caps., i, p. 89; ii, p. 110, 1875.
Reuter, Ent. Mo. Mag., xx, p. 49, 1883.
Reuter, Hemip. Gymn. Eur., iii, pp. 411, 559, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 139, 1887.
Oshanin, Verz. Palae. Hemip., i, p. 812, 1909.
Reuter, Of. Finska. Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 60, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.

Brachyceraea Fieber, Wien. Ent. Monat., ii, p. 327, 1858 (Haplotype Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 129, 1906. [*geniculata* Fieb.). Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 151, 1910.

Idolocoris Douglas and Scott, Brit. Hemip., p. 574, 1865. (Type *palli-* Provancher, Pet. Faune Ent. Can., iii, p. 140, 1887. [*cornis* D. & S.)

1107. **Dicyphus californicus** (Stål)

Stål, Freg. Eug. Resa, Ins., p. 259, 1859, *Capsus.*
Walker, Cat. Heter., vi, p. 66, 1873, *Cyllocoris.*
Reuter, Caps. Am. Bor., p. 82, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 140, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 274, 1894.
Gillette and Baker, Hemip. Colo., p. 46, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Slosson, Ent. News, xvii, p. 326, 1906.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.

Localities: Ont., N. H., N. Y., Pa., Kans., Colo., Calif. (Eastern references uncertain.)

1108. **Dicyphus agilis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 425, 1877, *Idolocoris.*
Provancher, Pet. Faune Ent. Can., iii, p. 141, 1887, *Idolocoris.*

Van Duzee, Can. Ent., xix, p. 72, 1887, *Idolocoris.*
Van Duzee, Can. Ent., xxi, p. 4, 1889, *Idolocoris.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Idolocoris.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Idolocoris.*
Gillette and Baker, Hemip. Colo., p. 46, 1895 (as var. of *californicus*).
Slosson, Ent. News, ix, p. 251, 1889.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Moore, Can. Ent., xxxix, p. 162, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Parshley, Psyche, xxi, p. 142, 1914, *Idolocoris.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.
?luctuosus Prov., Pet. Faune Ent. Can., iii, p. 137, 1887, *Chlamydatus.*
Localities: Quebec, Ont., N. Y., N. H., Ia., Colo., Utah, Calif., Wash., B. C.

1108½. **Dicyphus crudus** Van D.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.
Locality: Calif.

1109. **Dicyphus famelicus** (Uhl.)
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 413, 1878, *Idolocoris.*
Van Duzee, Can. Ent., xix, p. 72, 1887, *Idolocoris.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Idolocoris.*
Slosson, Ent. News, vi, p. 321, 1895.
Macgillivray and Houghton, Ent. News, xiv, p. 263, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Moore, Can. Ent., xxxix, p. 162, 1907.
Smith, Cat. Ins. N. J., edn. 3, 161, 1910.
Localities: Ont., N. H., N. Y., N. J., Pa.

1110. **Dicyphus vestitus** Uhl.
Uhler, Hemip. Colo., p. 46, 1895.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.
Localities: N. H., N. Y., Dak., Colo., N. Mex., Calif.

1111. **Dicyphus minimus** Uhl.
Uhler, Ent. News, x, p. 59, 1899.
§*minutus* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914.
Localities: D. C., Fla., N. Mex., Colo., Calif.

Genus **Engytatus** Reut.
Haplotype *geniculatus* Reut.
Reuter, Caps. Am. Bor., p. 82, 1876.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 151, note, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.
†*Cyrtopeltis* Reuter, Neark. Caps., p. 62, 1909.

1112. **Engytatus geniculatus** Reut.
Reuter, Caps. Am. Bor., p. 83, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 274, 1894.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 193.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 152, note, 1910.
varians Distant, Biol. Centr. Am., Heter., i, p. 271, pl. 26, fig. 7, 1884,
Reuter, Neark. Caps., p. 62, 1909, *Cyrtopeltis.* [*Neoproba.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Fla., Texas.

1113. **Engytatus simplex** (Reut.)

Reuter, Neark. Caps., p. 63, 1909, *Cyrtopeltis.*
Locality: Calif.

1114. **Engytatus melanocephalus** (Reut.)

Reuter, Neark. Caps., p. 63, 1909, *Cyrtopeltis.*
Locality: Texas.

1115. **Engytatus tenuis** (Reut.)

Reuter, Revue d'Ent., xiv, p. 139, 1895, *Cyrtopeltis.*
Reuter, Of. Finska Vet.-Soc. Forh., xlv, No. 16, p. 21, 1903, *Cyrtopeltis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909, *Cyrtopeltis.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 151, note, 1910.
Localities: Fla. (Palaearctic.)

Genus **Macrolophus** Fieb.
Logotype *nubilus* Fieb.

Fieber, Wien. Ent. Monat., ii, p. 326, 1858.
Fieber, Europ. Hemip., pp. 76, 321, 1861.
Douglas and Scott, Brit. Hemip., p. 381, 1865.
Reuter, Genera Cimic. Eur., p. 27, 1875.
Reuter, Rev. Crit. Caps., i, p. 89; ii, p. 109, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 435, 559, 1883.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.

1116. **Macrolophus separatus** (Uhl.)

Uhler, Check List, p. 20, 1886 (nomen nudum).
Van Duzee, Can. Ent., xxi, p. 4, 1889 (nomen nudum).
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 194, *Dicyphus* (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907, *Dicyphus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909, *Dicyphus.*
Reuter, Neark. Caps., p. 62, 1909.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
†*famelicus* Provancher, Pet. Faune Ent. Can., iii, p. 141, 1887, *Idolocoris.*
Localities: Ont., Mass., N. Y., Pa., Md., Fla., Ohio, Ia., Colo., Texas, N. Mex., Calif.

Subfamily ORTHOTYLINAE Van. D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 203, 1916.
Van Duzee, Check List Hemip., p. 43, 1916.
Heterotominae Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 114, 1910.
Cyllocorinae Oshanin, Kat. Palae. Hemip., p. 72, 1912.

TRIBE *ORTHOTYLINI* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 204, 211, 1916.
Van Duzee, Check List Hemip., p. 43, 1916.
Cyllocoraria Reuter, Genera Cimic. Eur., pp. 6, 22, 1875.
Reuter, Rev. Crit. Caps., i, p. 77; ii, p. 81, 1875. (Division.)
Reuter, Hemip. Gymn. Eur., iii, pp. 319, 567, 1883. (Division.)
Reuter, Festschr. f. Palmen, i, pp. 16, 27, 1905. (Division.)
Oshanin, Verz. Palae. Hemip., p. 826, 1909. (Division.)
Reuter, Neark. Caps., p. 66, 1909. (Division.)
Oshanin, Kat. Palae. Hemip., p. 72, 1912, Tribe *Cyllocoraria.*
Callecoraria Uhler, Check List, p. 19, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 99, 1886, *Callicorides.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Callecorinae.*
Heterotomaria Kirkaldy, Fauna Hawai., iii, p. 132, 1902. (Division.)
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 127, 1906, Tribe *Heterotomini.*
Kirkaldy, Can. Ent., xxxviii, p. 371, 1906, Tribe *Heterotomini.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 117, 148, 1910. [(Division.)
Poppius, Of. Finska Vet.-Soc. Forh., lii, Afd. A, No. 2, p. 31, 1911. [(Division.)

DIVISION *LABOPARIA* Reut.

Reuter, Hemip. Gymn. Eur., iii, p. 567, 1883 (part).
Puton, Cat. Hémip. Palae., edn. 3, p. 53, 1886 (part).
Atkinson, Cat. Capsidae, p. 117, 1889 (part).
Reuter, Hemip. Gymn. Eur., iv, p. 17, 1891 (part).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 479, 1904 (part).
Reuter, Festschr. f. Palmen, i, pp. 19, 28, 1905 (part).
Banks, Cat. Neark. Hemip., p. 38, 1910, *Labopini* (part).
Oshanin, Kat. Palae. Hemip., p. 74, 1912. (Tribe.) [stricted).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916 (re-

Genus **Labops** Burm.
Haplotype *diopsis* Burm.

Burmeister, Handb. d. Ent., ii, p. 279, 1835.
Fieber, Wien. Ent. Monat., ii, p. 316, 1858.
Fieber, Europ. Hemip., pp. 71, 294, 1861.
Thomson, Opusc. Ent., iv, p. 432, 1871.
Walker, Cat. Heter., vi, p. 44, 1873.
Reuter, Genera Cimic. Eur., p. 24, 1875.
Reuter, Rev. Crit. Caps., i, p. 86; ii, p. 97, 1875.
Provancher, Pet. Faune Ent. Can., iii, p. 135, 1887.
Reuter, Hemip. Gymn. Eur., iv, pp. 80, 160, 1891.
Hüeber, Synop. deut. Blindw., ii, p. 5, 1894?
Oshanin, Verz. Palae. Hemip., i, p. 786, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.
Ophthalmocoris Zetterstedt, Ins. Lapp., column 280, 1840.

1117. **Labops hesperius** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 416, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876; iii, p. 417, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 135, 1887.

Van Duzee, Can. Ent., xxi, p. 4, 1889.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Gillette and Baker, Hemip. Colo., p. 46, 1895.
Slosson, Ent. News, vi, p. 321, 1895.
Macgillivray and Houghton, Ent. News, xiv, p. 263, 1903.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Van Duzee, Ottawa Nat., xxvi p. 68, 1912.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 240, 1916.
Localities: Quebec, Ont., N. H., N. Y., Colo., N. Mex., Calif.

1118. **Labops burmeisteri** Stål

Stål, Stet. Ent. Zeit., xix, p. 189, 1858.
Reuter, Of. Finska Vet.-Soc. Forh., xxi, p. 59, 1878.
Reuter, Hemip. Gymn. Eur., iv, pp. 83, 169, 1891.
Oshanin, Verz. Palae. Hemip., i, p. 786, 1909.
Gibson, Rept. Ent. Soc. Ont. for 1910, p. 125.
Localities: Ont., N. Y., Alaska. (Siberia.)

DIVISION *HALTICARIA* Kirk.

Kirkaldy, Fauna Hawai., iii, p. 139, 1902.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 130, 1906, Tribe *Halticini.*
Kirkaldy, Can. Ent., xxxviii, p. 371, 1906, Tribe *Halticini.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 115, 1910.
Poppius, Of. Finska Vet.-Soc. Forh., liii, Afd. A, No. 2, p. 33, 1911.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.
Van Duzee, Check List Hemip., p. 43, 1916. [(Family.)
Halticocoridae Douglas and Scott, Brit. Hemip., pp. 35, 478, 1865.
Stiphrosomidae Douglas and Scott, Brit. Hemip., pp. 35, 481, 1865. [(Family.)
[Divisions *Diplacaria, Myrmecophyaria* and *Hypseloecaria* Reut. are not found in our territory.]

Genus **Halticus** Hahn
Haplotype *pallicornis* (Fabr.) = *apterus* (Linn.)

Hahn, Wanz. Ins., i, p. 113, 1831.
Burmeister, Handb. d. Ent., ii, p. 277, 1835.
Fieber, Wien. Ent. Monat., ii, p. 312, 1858.
Fieber, Europ. Hemip., pp. 69, 281, 1861.
Thomson, Opusc. Ent., iv, p. 441, 1871.
Reuter, Genera Cimic. Eur., p. 23, 1875.
Reuter, Rev. Crit. Caps., i, p. 86, ii, p. 89, 1875.
Reuter, Hemip. Gymn. Eur., iv, pp. 17, 157, 1891.
Hüeber, Synop. deut. Blindw., ii, pp. 2, 42, 1894?
Distant, Fauna Brit. Ind., Rhyn., ii, p. 479, 1904.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 130, 1906.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.
[*Orthonotus* Westw. MS], Stephens, Syst. Cat. Brit Ins., p. 344, 1829.
Astemma, Latreille *in* Cuvier, Règne Anim., edn. 2, v, p. 199, 1829 (type Amyot and Serville, Hémip., p. 284, 1843. [*pallicornis* Fabr.)

Eurycephala Laporte, Essai Classif. Syst. Hémip., p. 36, 1832 (type
Brullé, Hist. des Ins., ix, p. 410, 1835. [*luteicollis* L. & S.).
Spinola, Essai sur les Hémip., p. 191, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 140, 1840. [Panz. type).
†*Miris* Laporte, Essai Classif. Syst. Hémip., p. 39, 1832 (names *luteicollis*
Halticocoris Douglas and Scott, Brit. Hemip., p. 478, 1865 (type *palli-*
[*cornis* Fabr.).

1119. **Halticus apterus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 438, 1758, *Cicada.*
Linnaeus, Fauna Suec., new edn., No. 894, 1861, *Cicada.*
Brullé, Hist. des Ins., ix, p. 410, pl. 33, fig. 6, 1835, *Eurycephala.*
Blanchard, Hist. des Ins., Hémip., p. 140, 1840, *Eurycephala.*
Amyot and Serville, Hémip., p. 284, 1843, *Astemma.*
Reuter, Rev. Crit. Caps., ii, p. 90, 1875.
Uhler, Check List, p. 20, 1886.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Reuter, Rev. Synon., p. 286, No. 259, 1888.
Reuter, Hemip. Gymn. Eur., iv, pp. 18, 161, pl. 1, fig. 5, 1891.
Saunders, Heter. Brit. Isds., p. 268, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Hüeber, Synop. deut. Blindw., ii, p. 44, 1894?
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
pallicornis Fabricius, Ent. Syst., iv, p. 69, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 115, 1803, *Salda.*
Wolff, Icon. Cimic., iv, p. 122, fig. 122, 1804, *Acanthia.*
Fallén, Monog. Cimic. Suec., p. 95, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 113, 1829, *Phytocoris.*
Latreille *in* Cuvier, Règne Anim., edn. 2, v, p. 199, 1829, *Astemma.*
Hahn, Wanz. Ins., i, p. 114, fig. 61, 1831.
Herrich-Schaeffer, Nomen. Ent., i, p. 53, 1835, *Capsus.*
Burmeister, Handb. d. Ent., ii, p. 278, 1835.
Spinola, Essai sur les Hémip., p. 191, 1837 (1840), *Eurycephala.*
Blanchard, Hist. des Ins., Hémip., p. 140, 1840, *Eurycephala.*
Meyer-Duer, Verz. Schw. Rhyng., p. 110, 1843, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., pp. 102, 1855, *Capsus* (*Eury-*
Kolenati, Melet. Ent., ii, p. 130, 1845, *Eurycephala.* [*merocoris*).
Sahlberg, Monog. Geoc. Fenn., p. 118, 1848, *Capsus.*
Costa, Cimic. Reg. Neap., Cent. iii, p. 53, 1852.
Fieber, Europ. Hemip., p. 282, 1861.
Fieber, Wien. Ent. Monat., viii, p. 221, 1864.
Douglas and Scott, Brit. Hemip., p. 479, 1865, *Halticocoris.*
Thomson, Opusc. Ent., iv, p. 441, 1871, *Capsus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 411, 1878, *Halticocoris.*
§*pallidicornis* Herrich-Schaeffer, Nomen. Ent., i, p. 53, 1835, *Capsus.*
Flor, Rhyn. Livl., i, p. 583, 1860, *Capsus.*
Localities: N. H., Mass., N. Y., Pa., Md., Ill., Colo.

1120. **Halticus intermedius** Uhl.

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 360, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.

1121. **Halticus bracteatus** (Say)

Say, Heter. N. Harm., p. 26, 1832; Fitch reprint, p. 792; Compl. Writ., i, p. [348, *Cylapus.*
Uhler, Check List, p. 20, 1886.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Gillette and Baker, Hemip. Colo., p. 46, 1895.
Webster, 27th Rept. Ent. Soc. Ont., p. 83, 1896.
Webster, Ent. News, viii, p. 209, with figs., 1897.
Moore, Can. Ent., xxxix, p. 163, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Localities: Ont., N. Y., Ohio, Ind., Kans., Colo.

1122. **Halticus citri** (Ashm.)

Ashmead, Ent. Am., iii, p. 155, 1887, *Rhinocloa.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Parshley, Psyche, xxi, p. 142, 1914. [10, 11, 1889.
[*minutus* Uhler MS] Popenoe, 2d Rept. Kans. Exp. Sta., p. 212, pl. 9, figs.
uhleri Giard, Compt. Rend. Soc. Biol., ser. 9, iv, p. 81, 1892.
Uhler, Proc. Ent. Soc. Wash., ii, p. 378, 1893.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 195.
Osborn, Ohio Nat., i, p. 12, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Reuter, Wien. Ent. Zeit., xxvii, p. 53, 1908.
Reuter, Neark. Caps., p. 71, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
canus (Distant), Biol. Centr. Am., Heter., i, p. 430, pl. 37, figs. 11, 12,
Kirkaldy, Entomol., xxxvii, p. 179, 1904. [1893, *Calocoris.*
Localities: Ont., N. Y., N. J., Pa., Md., D. C., Va., N. C., Fla., Ohio, Ill., Kans., Mo., Utah.

[**Halticus nitidus** Uhl. MS]

Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904.

Genus **Strongylocoris** Blanch.
Haplotype *leucocephalus* Linn.

Blanchard, Hist. des Ins., Hémip., p. 140, 1840.
Costa, Cimic. Reg. Neap., Cent., iii, p. 48, 1852.
Puton, Cat. Hémip. Palae., edn. 3, p. 53, 1886.
Atkinson, Cat. Capsidae, p. 119, 1889.
Reuter, Hemip. Gymn. Eur., iv, pp. 26, 157, pl. 1, fig. 6, 1891.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 130, 1906.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 148, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 211, 1916.

Stiphrosomus Fieber, Wien. Ent. Monat., ii, p. 312, 1858 (Logotype *leuco-*
‡*Stiphrosoma* Fieber, Europ. Hemip., pp. 69, 280, 1861. [*cephalus* Lnn.)
Douglas and Scott, Brit. Hemip., p. 481, 1865.
Walker, Cat. Heter., vi, p. 43, 1873.
Reuter, Genera Cimic. Eur., p. 23, 1875.
Reuter, Crit. Rev. Caps., i, p. 85; ii, p. 87, 1875.
Uhler, Check List, p. 20, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 131, 1887.

1123. **Strongylocoris stygicus** (Say)

Say, Heter. N. Harm., p. 24, 1832; Fitch reprint, p. 789; Compl. Writ., i, p. [344, *Capsus.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Stiphrosoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 507, 1878, *Stiphrosoma.*
Provancher, Pet. Faune Ent. Can., iii, p. 132, 1887, *Stiphrosoma.*
Van Duzee, Can. Ent., xix, p. 72, 1887; xxi, p. 4, 1889, *Stiphrosoma.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Stiphrosoma.*
Harrington, Ottawa Nat., vi, p. 28, 1892, *Stiphrosoma.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Stiphrosoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894, *Stiphrosoma.*
Gillette and Baker, Hemip. Colo., p. 49, 1895, *Stiphrosoma.*
Osborn, Ohio Nat., i, p. 12, 1900, *Stiphrosoma.*
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 110, 1903, *Stiphrosoma.*
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905, *Stiphrosoma.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Stiphrosoma.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Stiphrosoma.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908, *Stiphrosoma.*
Van Duzee, Can. Ent., xliv, p. 322, 1912, *Stiphrosoma.*
Parshley, Psyche, xxi, p. 142, 1914, *Stiphrosoma.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., N. C., Ohio, Ia., Colo., N. Mex., Calif.

1124. **Strongylocoris atratus** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 268, 1894, *Stiphrosoma.*
Gillette and Baker, Hemip. Colo., p. 45, 1895, *Stiphrosoma.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904, *Stiphrosoma.*
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: Colo., N. Mex., Calif.

1125. **Strongylocoris croceipes** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 373, 1893, *Stiphrosoma.*
Gillette and Baker, Hemip. Colo., p. 45, 1895, *Stiphrosoma.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Stiphrosoma.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.
Localities: Colo., Utah, Calif.

1126. **Strongylocoris robustus** (Uhl.)

Uhler, Hemip. Colo., p. 45, 1895, *Stiphrosoma.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Localities: Texas, Colo., N. Mex.

DIVISION *PILOPHORARIA* Reut.

Reuter, Hemip. Gymn. Eur., iii, p. 566, 1883; iv, p. 110, 1891.
Reuter, Festschr. f. Palmen, i, pp. 17, 27, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 132, 1906, Tribe *Pilophorini*.
Kirkaldy, Can. Ent., xxxviii, p. 371, 1906, Tribe *Pilophorini*.
Reuter, Neark. Caps., p. 73, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 211, 212, 1916.
Camaronotidae Douglas and Scott, Brit. Hemip., pp. 30, 358, 1865. (Family.)

Genus **Heterocordylus** Fieb.
Logotype *tumidicornis* Kirschb.

Fieber, Wien. Ent. Monat., ii, p. 316, 1858.
Fieber, Europ. Hemip., pp. 71, 290, 1861.
Douglas and Scott, Brit. Hemip., p. 432, 1865.
Thomson, Opusc. Ent., iv, p. 440, 1871.
Reuter, Genera Cimic. Eur., p. 22, 1875.
Reuter, Rev. Crit. Caps., i, p. 85; ii, p. 81, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 327, 544, pl. 1, fig. 5, 1884.
Hüeber, Synop. deut. Blindw., ii, pp. 105, 220, 1894?
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.
Bothrocranum Reuter, Pet. Nouv. Ent., ii, p. 54, 1876 (type *freyii* Reut.).

1127. **Heterocordylus malinus** Reut.

Reuter, Neark. Caps., p. 71, 1909.
Crosby, Can. Ent., xliii, p. 17, 1911 (life history).
Knight, Jl. Econ. Ent., viii, p. 293, 1915 (oviposition).
Parshley, Ent. News, xxvii, p. 104, 1916.
Localities: N. H., N. Y., Ill.

Genus **Pilophorus** Hahn
Haplotype *bifasciatus* (Fabr.) = *clavatus* (Linn.)

Hahn, Icones Cimic., i, p. 23, 1826.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840.
Reuter, Genera Cimic. Eur., p. 22, 1875.
Reuter, Rev. Crit. Caps., i, p. 85; ii, p. 84, 1875.
Uhler, Ent. Am., iii, p. 29, 1887.
Provancher, Pet. Faune Ent. Can., iii, p. 131, 1887.
Atkinson, Cat. Capsidae, p. 112, 1889.
Reuter, Hemip. Gymn. Eur., iv, pp. 112, 173, 1891.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 49, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.
Camaronotus Fieber, Wien. Ent. Monat., ii, p. 322, 1858 (type *clavatus* [Linn.).
Fieber, Europ. Hemip., pp. 74, 313, 1861.
Douglas and Scott, Brit. Hemip., p. 358, 1865.
Thomson, Opusc. Ent., iv, p. 441, 1871.

1128. **Pilophorus clavatus** (Linn.)

Linnaeus, Syst. Nat., edn. 12, i, p. 729, 1767, *Cimex*.
Herrich-Schaeffer, Nomen. Ent., i, p. 48, 1835, *Capsus*.
Zetterstedt, Ins. Lapp., column 278, 1840, *Capsus*.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840.
Meyer-Duer, Synop. Schw. Rhyn., p. 87, 1843, *Capsus*.
Sahlberg, Monog. Geoc. Fenn., p. 91, 1848, *Capsus*.

Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 297, 1855, *Capsus* (*Leptomerocoris*).
Fieber, Wien. Ent. Monat., ii, p. 322, 1858, *Camaronotus*.
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 742, 1858, *Capsus*.
Flor, Rhyn. Livl., i, p. 569, 1860, *Capsus*.
Fieber, Europ. Hemip., p. 314, 1861, *Camaronotus*.
Douglas and Scott, Brit. Hemip., p. 360, 1865, *Camaronotus*.
Thomson, Opusc. Ent., iv, p. 442, 1871, *Capsus*.
Reuter, Rev. Crit. Caps., ii, p. 86, 1875.
Reuter, Rev. Synon., p. 290, No. 266, 1888.
Reuter, Hemip. Gymn. Eur., iv, p. 114, pl. 6, fig. 3, 1891.
Saunders, Heter. Brit. Isds., p. 264, pl. 24, fig. 7, 1892.
Horvath, Ann. Mus., Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 74, 1909.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 50, 1912.
Van Duzee, Can. Ent., xliv, p. 322, 1912.

†*bifasciatus* Schrank, Fauna Boica, p. 86, 1801, *Cimex*.
Fallén, Monog. Cimic. Suec., p. 99, 1807, *Capsus*.
Hahn, Icon. Cimic., i, fig. 22, 1826.
Zetterstedt, Fauna Lapp., p. 498, 1828, *Capsus*.
Fallén, Hemip. Suec., Cimic., p. 118, 1829, *Capsus*.
Provancher, Pet. Faune Ent. Can., iii, p. 131, 1887.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Localities: Ont., Mass., N. Y., Minn.

1129. **Pilophorus cinnamopterus** (Kirsch.)

Kirschbaum, Rhyn. v. Wiesbd., Caps., pp. 72, 116, 135, 1855, *Capsus*.
Flor, Rhyn. Livl., i, p. 572, 1860, *Capsus*.
Fieber, Europ. Hemip., p. 314, 1861, *Camaronotus*.
Douglas and Scott, Brit. Hemip., p. 359, pl. 11, fig. 8, 1865, *Camaronotus*.
Reuter, Rev. Synon., p. 290, No. 265, 1888.
Reuter, Hemip. Gymn. Eur., iv, pp. 113, 175, pl. 6, fig. 2, 1891.
Saunders, Heter. Brit. Isds., p. 264, pl. 24, fig. 7, 1892.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 50, 1912.

‖*bifasciatus* Fabricius, Syst. Ent., p. 725, 1775, *Cimex*.
Fabricius, Ent. Syst., iv, p. 177, 1794, *Lygaeus*.
Fabricius, Syst. Rhyng., p. 242, 1803, *Capsus*.
Latreille, Hist. Nat. Crust. Ins., xii, p. 230, 1804, *Capsus*.
Zetterstedt, Fauna Lapp., p. 497, 1828, *Capsus*.
Zetterstedt, Ins. Lapp., column 277, 1840, *Capsus*.
Reuter, Rev. Crit. Caps., ii, p. 85, 1875.
Reuter, Berl. Ent. Zeit., xxv, p. 177, 1881.
Uhler, Check List, p. 20, 1886.
Uhler, Ent. Am., iii, p. 30, 1887.
Osborn, Ohio Nat., i, p. 12, 1900.

†*confusus* Thomson, Opusc. Ent., iv, p. 442, 1871, part, *Capsus* (*Camaronotus*).
Localities: Ohio. (Europe.)

1130. **Pilophorus schwarzi** Reut.

Reuter, Neark. Caps., p. 74, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.

†*confusus* Uhler, Check List, p. 20, 1886.
Uhler, Ent. Am., iii, p. 29, 1887.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Oshanin, Verz. Palae. Hemip., i, p. 809, note, 1909.
Localities: N. Y., D. C., Colo., Calif.

1131. **Pilophorus amoenus** Uhl.

Uhler, Ent. Am., iii, p. 30, 1887.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Slosson, Ent. News, viii, p. 240, 1897.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 360, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Moore, Can. Ent., xxxix, p. 163, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Parshley, Psyche, xxi, p. 142, 1914.
†*confusus* Van Duzee, Can. Ent., xix, p. 72, 1887.
Localities: Ont., Me., N. H., N. Y., Pa., N. J., D. C., Colo., N. Mex.

1132. **Pilophorus walshi** Uhl.

Uhler, Ent. Am., iii, p. 30, 1887.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: N. Y., N. J., Pa., Ohio, Ill., Colo.

[**Pilophorus laetus** Uhl. MS]
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: N. J., D. C.

[**Pilophorus crassipes** Uhl. MS]
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Moore, Can. Ent., xxxix, p. 163, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: N. J., Md., D. C., Ohio, Colo., Calif.

[**Pilophorus clavipes** Uhl. MS]
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Locality: N. Y.

[**Pilophorus fraternus** Uhl. MS]
Lintner, 2d Rept. N. Y. St. Ent., p. 186, 1885, *Camaronotus*.
Locality: N. Y.

Genus **Alepidia** Reut.
Orthotype *gracilis* Uhl.

Reuter, Neark. Caps., p. 75, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916

1133. **Alepidia gracilis** (Uhl.)

Uhler, Hemip. Colo., p. 42, 1895, *Pilophorus*.
Reuter, Neark. Caps., p. 75, 1909 (as type).
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: N. J., W. Va., Colo

DIVISION *CERATOCAPSARIA* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 211, 212, 1916.

Genus **Pamillia** Uhl.

Haplotype *behrensii* Uhl.

Uhler, Ent. Am., iii, p. 31, 1887.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 150, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1134. **Pamillia behrensii** Uhl.

Uhler, Ent. Am., iii, p. 31, 1887.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Locality: Calif.

Genus **Tiryus** Kirk.

Haplotype *punctulatus* (Reut.)

Kirkaldy, Wien. Ent. Zeit., xxii, p. 14, 1903 (n.n. for *Trichia* Reut.).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 133, 1906.
Reuter, Neark. Caps., p. 71, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 150, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.
‖*Trichia* Reuter, Caps. Am. Bor., p. 81, 1876 (type *punctulatus*).

1135. **Tiryus punctulatus** (Reut.)

Reuter, Caps. Am. Bor., p. 82, 1876, *Trichia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 30, 1907.
Reuter, Neark. Caps., p. 71, 1909.
Reuter, Ann. k. k. Natl. Hofms. Wien, xxii, p. 174, 1907, *Ceratocapsus.*
Bergroth, Ann. Soc. Ent. Belg., liv, p. 68, 1910, *Ceratocapsus.*
Localities: Texas. (Mexico, West Indies.)

1136. **Tiryus elongatus** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 257, 1894, *Melinna.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914, *Ceratocapsus.*
Localities: Fla., Colo., Texas, Ariz., Calif.

Genus **Ceratocapsus** Reut.

Logotype *lutescens* Reut.

Reuter, Caps. Am. Bor., p. 87, 1876.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.
‖*Melinna* Uhler, Ent. Am., iii, p. 68, 1887 (type *modestus* Uhl.). [Uhl.).
Hypereides Kirkaldy, Wien. Ent. Zeit., xxii, p. 14, 1903 (n.n. for *Melinna*

1137. **Ceratocapsus lutescens** Reut.

Reuter, Caps. Am. Bor., p. 87, 1876.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Ceratocapsus sp. Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909.
Localities: Fla., Kans., Texas.

1138. **Ceratocapsus modestus** (Uhl.)

Uhler, Ent. Am., iii, p. 69, 1887, *Melinna.*
Van Duzee, Can. Ent., xxi, p. 3, 1889, *Melinna.*

Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892, *Melinna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894, *Melinna.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 191, *Melinna.*
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898, *Melinna.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 356, 1904, *Melinna.*
Wirtner, Ann. Carn. Mus., iii, p. 198, 1904, *Melinna.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Melinna.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 234, 1905, *Melinna.*
Moore, Can. Ent., xxxix, p. 163, 1907, *Melinna.*
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
[*carbonarius* Fitch MS] Uhler, Ent. Am., iii, p. 69, 1887, *Phytocoris.*
Localities: Ont., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ill., Kans., Ia., Colo., N. Mex.

1139. **Ceratocapsus pumilus** (Uhl.)

Uhler, Ent. Am., iii, p. 69, 1887, *Melinna.*
Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892, *Melinna.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 234, 1905, *Melinna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909.
Smith, Cat. Ins. N. J., edn., 3, p. 161, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Ont., Mass., N. Y., Ohio, Md., D. C., Fla., Ill., Kans., Colo., Texas.

1140. **Ceratocapsus setosus** Reut.

Reuter, Neark. Caps., p. 70, 1909.
Van Duzee,Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
‖*pteridis* Uhler, Check List, p. 19, 1886, *Bryocoris.*
Smith, Cat. Ins. N. J., edn. 2, p. 131, 1900, *Bryocoris.*
Localities: N. J., Pa., D. C., Fla., Calif.

1141. **Ceratocapsus minutus** (Uhl.)

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 713, *Melinna.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 234, 1905, *Melinna.*
Localities: Fla., Kans. (West Indies.)

1142. **Ceratocapsus fasciatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 421, 1877, *Megacoelum.*
Van Duzee, Can. Ent., xix, p. 71, 1887, *Megacoelum.*
Uhler, Ent. Am., iii, p. 69, 1887, *Melinna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 177, 1894, *Melinna.*
Gillette and Baker, Hemip. Colo., p. 35, 1895, *Megacoelum.*
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898, *Melinna.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Localities: Ont., Mass., N. Y., N. J., Ia., Kans., Colo.

DIVISION *LOPIDEARIA* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 211, 212, 1916.
?Lopariinae Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.

Genus **Lomatopleura** Reut.
Haplotype *caesar* Reut.

Reuter, Caps. Am. Bor., p. 67, 1876.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 148, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1143. **Lomatopleura caesar** Reut.

Reuter, Caps. Am. Bor., p. 67, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 250, 1894.
Gillette and Baker, Hemip. Colo., p. 31, 1895.
Osborn, Proc. Ia. Acad. Sci., v. p. 233, 1898.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 109, 1903.
Reuter, Neark. Caps., p. 72, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 162, 1910.
Localities: N. Y., N. J., Pa., N. C., Ia., Colo.

1144. **Lomatopleura hesperia** Kirk.

Kirkaldy, Trans. Ent. Soc. Lond. for 1902, p. 252, pl. 5, fig. 1.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
‖*coccineus* Walker, Cat. Heter., vi, p. 93, 1873, *Capsus*.
Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 109, 1904.
Locality: Fla.

1145. **Lomatopleura instabile** Reut.

Reuter, Neark. Caps., p. 72, 1909.
a. var. **marginalis** Reut.
Reuter, Neark. Caps., p. 72, 1909.
Lomatopleura sp. Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 181, 1909.
Localities: N. Y., Md., D. C., Fla.

Genus **Lopidea** Uhl.
Haplotype *media* Say

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 411, 1872.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 405, 1878.
Distant, Biol. Centr. Am., Heter., i, p. 258, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 106, 1887.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1146. **Lopidea media** (Say)

Say, Heter. N. Harm., p. 22, 1832; Fitch reprint, p. 786; Compl. Writ., i, p. [341, *Capsus*.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 412, 1872.
Uhler, Wheeler's Rept. 100th Mer., v, p. 838, 1875.
Reuter, Caps. Am. Bor., p. 66, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 317, 1876; iii, p. 414, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1327.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 406, 1878.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 506, 1878.
Van Duzee, Can. Ent., xix, p. 70, 1887.
Harrington, Ottawa Nat., vi, p. 27, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 249, 1894.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894.
Gillette and Baker, Hemip. Colo., p. 30, 1895.
Montgomery, Ent. News, xiii, p. 13, 1902.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 48, 1905.
Moore, Can. Ent., xxxix, p. 163, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Parshley, Psyche, xxi, p. 141, 1914.
†*marginata* Slosson, Ent. News, xiii, p. 8, 1902.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Kans., Colo.

1147. **Lopidea confluenta** (Say)

Say, Heter. N. Harm., p. 23, 1832; Fitch reprint, p. 788; Compl. Writ., i, p.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894. [343, *Capsus.*
‡*confluens* Reuter, Caps. Am. Bor., p. 66, 1876.
Uhler, Check List, p. 18, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 106, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Slosson, Ent. News, v, p. 5, 1894.
Gillette and Baker, Hemip. Colo., p. 30, 1895.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Van Duzee, Can. Ent., xliv, p. 320, 1912.
Parshley, Psyche, xxi, p. 141, 1914.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Ia., Kans., Colo., Mont., Texas.

1148. **Lopidea floridana** (Walk.)

Walker, Cat. Heter., vi, p. 97, 1873, *Capsus.*
Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 108, 1904.
Locality: Fla.

1149. **Lopidea robiniae** (Uhl.)

Uhler, Proc. Ent. Soc. Phila., i, p. 24, 1861, *Capsus.*
Van Duzee, Can. Ent., xix, p. 70, 1887 (as var.).
Wirtner, Ann. Carn. Mus., iii, p. 199, 1904 (as var.).
Leonard, Ent. News, xxvii, p. 51, 1916 (young).
Localities: Ont., N. Y., Pa., D. C., N. C., Ohio.

1150. **Lopidea marginata** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 249, 1894.
Gillette and Baker, Hemip. Colo., p. 30, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.
[*obscura* Uhl. MS], Gillette and Baker, Hemip. Colo., p. 31, 1895.
Localities: Colo., Ariz., Calif.

1151. **Lopidea nigridea** Uhl.

Uhler, Hemip. Colo., p. 30, 1895.
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Localities: Ia.?, Colo., Calif.

1152. **Lopidea cuneata** Van D.
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 79, 1910.
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. n.s. 113, p. 40, 1913.
(Probably a misidentification of *nigridea* Uhl.)
Locality: N. Y.

[**Lopidea strigata** Uhl. MS]
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Locality: Ia.

[**Lopidea fuscicornis** Uhl. MS]
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898.
Smith, Cat. Ins. N. J., edn. 2, p. 128, 1900.
Localities: N. J., Ia.

Genus **Hadronema** Uhl.
Haplotype *militaris* Uhl

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 412, 1872.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1153. **Hadronema militaris** Uhl.
¶Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872, *Oncotylus*.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 412, 1872.
Uhler, Wheeler's Surv. 100th Mer., v, p. 838, pl. 42, fig. 12, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 317, 1876; iii, p. 415, 1877.
Distant, Biol. Centr. Am., Heter., i, p. 259, 1883.
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891.
Townsend, Can. Ent., xxiv, p. 193, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 251, 1894.
Gillette and Baker, Hemip. Colo., p. 31, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 355, 1904.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Reuter, Ann. k. k. Natl. Hofms. Wien., xxii, p. 172, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Localities: Mich., Ia., Kans., Colo., N. Mex., Calif.

1154. **Hadronema robusta** Uhl.
Riley, N. Am. Fauna, vii, p. 249, 1893 (a MS name).
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 250, 1894.
Gillette and Baker, Hemip. Colo., p. 32, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., iii, p. 28, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Localities: Colo., Calif.

1155. **Hadronema princeps** Uhl.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 251, 1894.
Gillette and Baker, Hemip. Colo., p. 32, 1895.
Localities: Colo., Calif., Ore., Wash.

1156. **Hadronema picta** Uhl.

Uhler, Hemip. Colo., p. 31, 1895.
Tucker, Univ. Kans. Sci. Bul., iv, p. 60, 1907.
Localities: Dak., Colo., Nevada.

1157. **Hadronema festiva** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 80, 1910.
Locality: N. Mex.

DIVISION *ORTHOTYLARIA* Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 211, 212, 1916.
Litosomidae Douglas and Scott, Brit. Hemip., pp. 30, 334, 1865. (Family.)
Globicepidae Douglas and Scott, Brit. Hemip., pp. 31, 362, 1865. (Family.)

Genus **Cyllecoris** Hahn
Logotype *histrionicus* (Linn.)

Hahn, Wanz. Ins., ii, p. 97, 1834 (*Cylleocoris* in index).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840.
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 41, 1855 (subgenus of *Capsus*).
Dohrn, Cat. Hemip., p. 38, 1859.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 128, 1906.
Van Duzee, Check List Hemip., p. 44, 1916.
‡*Cyllocoris* Spinola, Essai sur les Hémip., p. 188, 1837 (1840).
Fieber, Wien. Ent. Monat., ii, p. 312, 1858.
Fieber, Europ. Hemip., pp. 69, 282, 1861.
Douglas and Scott, Brit. Hemip., p. 367, 1865.
Thomson, Opusc. Ent., iv, p. 436, 1871.
Walker, Cat. Heter., vi, p. 43, 1873.
Reuter, Genera Cimic. Eur., p. 28, 1875.
Reuter, Crit. Rev. Caps., i, p. 89; ii, p. 114, 1875.
Reuter, Ent. Mo. Mag., xv, p. 115, 1878.
Reuter, Hemip. Gymn. Eur., iii, pp. 401, 546, pl. 1, figs. 13, 14, 1883.
Puton, Cat. Hémip. Palae., edn. 3, p. 55, 1886.
Atkinson, Cat. Capsidae, p. 130, 1889.
Hüeber, Synop. deut. Blindw., ii, p. 107, 1894?
Oshanin, Verz. Palae. Hemip., i, p. 826, 1909.
Oshanin, Kat. Palae. Hemip., p. 72, 1912.
Kelidocoris Kolenati, Melet. Ent., ii, p. 102, 1845 (type *histrionicus*).
‖*Perideris* Fieber, Verh. Zool.-Bot. Ges. Wien, xx, p. 249, 1870 (type *mar-* [*ginatus* Fieb.).
Dryophilocoris Reuter, Genera Cimic. Eur., p. 30, 1875 (type *flavoquadri-* [*maculatus* DeGeer).
Camarocyphus Reuter, Of. Finska Soc. Forh., xxii, p. 21, 1880 (type *nigro-*
Reuter *in* Zool. Jahrsb. for 1880, p. 140. [*gularis* Reut.).
Mimoperideris Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 129, 1906 (n.n. [for *Perideris* Fieb.).

1158. **Cyllecoris histrionicus** (Linn.)

Linnaeus, Syst. Nat., edn. 12, i, p. 728, 1767, *Cimex*.
Herrich-Schaeffer, Nomen. Ent., i, p. 48, 1835.
Burmeister, Handb. d. Ent., ii, p. 267, 1835, *Phytocoris*.
Blanchard, Hist. des Ins., Hémip., p. 138, 1840, *Phytocoris*.

Meyer-Duer, Verz. Schw. Rhyn., p. 90, 1843, *Capsus.*
Kolenati, Melet. Ent., ii, p. 103, 1845, *Polymerus* (*Kelidocoris*).
Sahlberg, Monog. Geoc. Fenn., p. 96, 1848, *Capsus.*
Herrich-Schaeffer, Wanz. Ins., Index, p. 36, 1853, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 43, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 475, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 282, 1861.
Douglas and Scott, Brit. Hemip., p. 368, pl. 12, fig. 3, 1865.
Thomson, Opusc. Ent., iv, p. 436, 1871, *Capsus* (*Orthotylus*).
Reuter, Rev. Crit. Caps., ii, p. 115, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 406, 558, pl. 5, fig. 25, 1883.
Reuter, Rev. Synon., p. 299, No. 279, 1888.
Saunders, Heter. Brit. Isds., p. 277, pl. 25, fig. 8, 1892.
Hüeber, Synop. deut. Blindw., ii, p. 109, 1894?
Banks, Cat. Neark. Hemip., p. 33, 1910.

cantharinus (Muller), Zool. Danic. Prodr., p. 108, 1776, *Cimex.*
cordiger (Goeze), Ent. Beytr., ii, p. 266, 1778, *Cimex.*
agilis (Fabricius), Spec. Ins., p. 374, 1781, *Cimex.*
Fabricius, Ent. Syst., iv, p. 182, 1794, *Lygaeus.*
Fabricius, Syst. Rhyng., p. 247, 1803, *Capsus.*
Wolff, Icon. Cimic., iv, p. 153, fig. 147, 1804, *Lygaeus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 233, 1804, *Capsus.*
Fallén, Monog. Cimic. Suec., p. 100, 1807, *Capsus.*
Fallén, Hemip. Suec., Cimic., p. 120, 1829, *Capsus.*
Hahn, Wanz. Ins., ii, p. 98, 1834.
Costa, Cimic. Neap., Cent., i, p. 50, 1838, *Phytocoris.*
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 122, 1840.
cordatus (Geoffroy) *in* Fourcroy, Ent. Paris., p. 206, 1785, *Cimex.* [*Cimex.*
leucozonias (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, p. 2162, 1788,
vittatus (Gmelin) *in* Linnaeus, Syst. Nat., edn. 13, i, p. 2166, 1788, *Cimex.*
Donovan, Nat. Hist. Brit. Ins., vii, p. 252, 1798, *Cimex.*
†*fulvipes* (Schrank), Fauna Boica, ii, p. 93, 1801, *Cimex.*
Localities: "E. St.," Banks. (Europe.)

Genus **Pseudoxenetus** Reut.
Logotype *regalis* (Uhl.)

Reuter, Neark. Caps., p. 66, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1159. **Pseudoxenetus regalis** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 80, 1890, *Xenetus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Stenidea.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Md., Pa., Ga., Fla., Mich., Ill.

1160. **Pseudoxenetus scutellatus** (Uhl.)

?Riley, 5th Rept. Nox. Ins. Mo., p. 154, 1873, *Cyllocoris* (a MS name by Uhler).
Uhler, Trans. Md. Acad. Sci., i, p. 81, 1890, *Xenetus.*
Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Sthenidea.*
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904, *Xenetus.*
Smith, Cat. Ins. N. J., edn. 3, p. 165, 1910, *Xenetus.*
Localities: Ont., N. H., Mass., Conn., N. Y., Pa., Md., N. C., Va., Ill.

Genus **Globiceps** Lep. & Serv.
Haplotype *capito* L. & S. = *sphegiformis* Rossi

Le Peletier and Serville, Encyc. Méth., x, p. 326, 1825.
Amyot and Serville, Hémip., p. 282, 1843.
Fieber, Wien. Ent. Monat., ii, p. 313, 1858.
Fieber, Europ. Hemip., pp. 69, 282, 1861.
Douglas and Scott, Brit. Hemip., p. 362, 1865.
Thomson, Opusc. Ent., iv, p. 436, 1871.
Walker, Cat. Heter., vi, p. 43, 1873.
Reuter, Genera Cimic. Eur., p. 28, 1875.
Reuter, Crit. Rev. Caps., i, p. 89; ii, p. 116, 1875.
Reuter, Ent. Mo. Mag., xv, p. 115, 1878.
Reuter, Hemip. Gymn. Eur., iii, pp. 386, 545, 1883.
Hüeber, Synop. deut. Bildw., ii, pp. 106, 124, 1894?
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 51, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916. [genus).
†*Kelidocoris* Reuter, Rev. Crit. Caps., i, p. 90; ii, p. 117, 1875 (as sub-

1161. **Globiceps flavomaculatus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 182, 1794, *Lygaeus.*
Fabricius, Syst. Rhyn., p. 247, 1803, *Capsus.*
Fallén, Monog. Cimic. Suec., p. 100, 1807, *Capsus.*
Fallén, Hemip. Suec. Cimic., p. 120, 1829, *Capsus.*
Costa, Cimic. Reg. Neap., Cent., i, p. 50, 1838, *Phytocoris.*
Zetterstedt, Ins. Lapp., column 278, 1840, *Capsus.*
Blanchard, Hist. des Ins., Hémip., p. 138, 1840, *Capsus.*
Meyer-Duer, Verz. Schw. Rhyn., p. 91, 1843.
Kolenati, Melet. Ent., ii, p. 103, 1845, *Polymerus* (*Kelidocoris*).
Sahlberg, Monog. Geoc. Fenn., p. 96, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 46, 1855, *Capsus* (*Cyllocoris*).
Flor, Rhyn. Livl., i, p. 469, 1860, *Capsus.*
Thomson, Opusc. Ent., iv, p. 436, 1871, *Capsus* (*Orthotylus*).
Reuter, Rev. Crit. Caps., ii, p. 117, 1875 (subgenus *Kelidocoris*).
Reuter, Hemip. Gymn. Eur., iii, pp. 395, 557, pl. 5, fig. 19, 1883.
Reuter, Rev. Synon., p. 298, No. 278, 1888.
Uhler, Check List, p. 20, 1886.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Saunders, Heter. Brit. Isds., p. 280, pl. 26, fig. 1, 1892.
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 27, 1908.
selectus Fieber, Wien. Ent. Monat., ii, p. 333, 1858.
Fieber, Europ. Hemip., p. 284, 1861.
Douglas and Scott, Brit. Hemip., p. 363, 1865.
Puton, Cat. Hémip. Palae., edn. 3, p. 55, 1886.
†*distinguendus* Vollenhoven, Tidj. v. Ent., xvii, p. 166, 1878.
Localities: Ont., Pa.(?) (Europe.)

1162. **Globiceps angustatus** Uhl.

Uhler, Hemip. Colo., p. 42, 1895.
Locality: Colo.

Genus **Paraproba** Dist.
Logotype *fasciata* Dist.

Distant, Biol. Centr. Am., Heter., i, p. 270, 1884.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 138, 1906 (names *fasciata* type).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 164, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 212, 1916.

1163. **Paraproba pendula** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 25, 1914.
Locality: Calif.

1164. **Paraproba hamata** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 489, 1912, *Diaphnidia.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914, *Diaphnidia.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Locality: Calif.

Genus **Diaphnidia** Uhl.
Logotype *debilis* Uhl.

Uhler, Hemip. Colo., p. 43, 1895.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 128, 1906 (names *debilis* type).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.

1165. **Diaphnidia debilis** Uhl.

Uhler, Hemip. Colo., p. 43, 1895.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Gibson, Rept. Ent. Soc., Ont. for 1910, p. 125, 1911.
Localities: Ont., Mass., N. Y., D. C., Ohio, Colo., Calif.

1166. **Diaphnidia pellucida** Uhl.

Uhler, Hemip. Colo., p. 44, 1895.
Wirtner, Ann. Carn. Mus., ii, p. 200, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Moore, Can. Ent., xxxix, p. 162, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Gibson, Rept. Ent. Soc. Ont. for 1910, p. 125, 1911.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 489, 1912.
Parshley, Psyche, xxi, p. 142, 1914.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., D. C., Ohio, Colo., Calif.

1167. **Diaphnidia provancheri** (Burque)

Burque *in* Provancher, Pet. Faune Ent. Can., iii, p. 144, 1887, *Malacocoris.*
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 489, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Localities: Quebec, N. H., N. Y., Calif.

1168. **Diaphnidia capitata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 490, 1912.
Localities: Ont., N. Y.

Genus **Hyalochloria** Reut.
Logotype *caviceps* Reut.

Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 5, p. 18, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 218, 1916 (cites [*caviceps* as type).

1168¼. **Hyalochloria caviceps** Reut.

Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 5, p. 20, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 218, 1916.
Localities: Fla. (West Indies.)

1168½. **Hyalochloria bella** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 217, 1916.
Locality: Calif.

Genus **Reuteria** Put.
Haplotype *marqueti* Put. = *irrorata* (Say)

Puton, Pet. Nouv. Ent., i, p. 519, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 325, 544, 1883.
Hüeber, Synop. deut. Blindw., ii, pp. 105, 239, 1894?
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.

1169. **Reuteria irrorata** (Say)

Say, Heter. N. Harm., p. 25, 1832; Fitch reprint, p. 790; Comp. Writ., i, p. 346, [*Capsus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 507, 1878, *Malacocoris.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Malacocoris.*
Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892, *Malacocoris.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 267, 1894, *Malacocoris.*
Osborn, Ohio Nat., i, p. 12, 1900, *Malacocoris.*
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904, *Malacocoris.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Malacocoris:*
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907, *Malacocoris.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 10, 1908.
Reuter, Neark. Caps., p. 70, 1909.
Oshanin, Verz. Palae. Hemip., i, p. 854, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No 7, p. 59, 1912.
marqueti Puton, Pet. Nouv. Ent., i, p. 519, 1875.
Reuter, Hemip. Gymn. Eur., iii, p. 325, 1883.
Localities: Ont., N. Y., N. J., Pa., Md., D. C., Ohio, Kans., Ia. (Mexico, Europe.)

Genus **Orthotylus** Fieb.
Logotype *nassatus* (Fabr.)

Fieber, Wien. Ent. Monat., ii, p. 315, 1858.
Fieber, Europ. Hemip., pp. 71, 288, 1861.
Thomson, Opusc. Ent., iv, pp. 434, 438, 1871.
Reuter, Genera Cimic. Eur., p. 32, 1875.
Reuter, Rev. Crit. Caps., i, p. 91; ii, p. 129, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 342, 545, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 138, 1887.
Hüeber, Synop. deut. Blindw., ii, pp. 106, 153, 1894?

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 127, 1906 (names *nassatus* (Fabr.)
Oshanin, Verz. Palae. Hemip., i, p. 837, 1909. [type).
Oshanin, Kat. Palae. Hemip., p. 73, 1912.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 60, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.
Van Duzee, Check List Hemip., p. 44, 1916. [species).
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 87, 1916 (monograph N. Am.

?Tichorhinus Fieber, Wien. Ent. Monat., ii, p. 314, 1858 (type *ericetorum* [Fall.).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 127, 1906 (names *ericetorum*
Kirkaldy, Proc. Hawai. Ent. Soc., i, p. 197, 1908. [Fall. type).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 150, 1910.

Pachylops Fieber, Wien. Ent. Monat., ii, p. 314, 1858 (haplotype *chloropFieber*, Europ. Hemip., pp. 70, 285, 286, 1861. [*terus* Kirsch.).

Litocoris Fieber, Europ. Hemip., pp. 70, 287, 2861 (n.n. for *Tichorhinus* [Fieb.).

Litosoma Douglas and Scott, Brit. Hemip., p. 334, 1865 (type *nassatus* [Fall. = *marginalis* Reut.).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 127, 1906 (names *marginatus* [Reut. type).

‖*Allocatus* Puton, Ann. Soc. Ent. Fr., ser. 5, iv, p. 218, 1874 (haplotype [*rubidus* Put.).

Melanotrichus Reuter, Genera Cimic. Eur., p. 35, 1875 (logotype *flavoReuter*, Rev. Crit. Caps., ii, p. 135, 1875. [*sparsus* Sahlb.).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 127, 1906 (names *flavosparsus* [Sahlb. type).

Halocapsus Puton, Ann. Soc. Ent. Fr., ser. 5, viii, Bul., p. xxxiii, 1878 [(n.n. for *Allocotus* Put.).

Subgenus **Orthotylus** Reut.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 88 (group I), p. 92, 1916.

1169¼. **Orthotylus insignis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 92, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Locality: Calif.

1169½. **Orthotylus tibialis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 93, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Locality: Calif.

1169¾. **Orthotylus ferox** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 94, 1916.
Locality: Calif.

1170. **Orthotylus viridicatus** Uhl.

Uhler, Hemip. Colo., p. 48, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 95, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Localities: Colo., Idaho, Calif.

1171. **Orthotylus coagulatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 417, 1877, *Macrocoleus.*
Provancher, Pet. Faune Ent. Can., iii, p. 150, 1887, *Macrocoleus.*
Van Duzee, Can. Ent., xix, p. 72, 1887, *Macrocoleus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Macrocoleus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 4, p. 123, 1893, *Macrocoleus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 268, 1894, *Macrocoleus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894, *Macrocoleus.*
Slosson, Ent. News, vi, p. 321, 1895, *Macrocoleus.*
Gillette and Baker, Hemip. Colo., p. 50, 1895, *Macrocoleus.*
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904, *Macrocoleus.*
Snow, Univ. Kans. Sci. Bul., ii, p. 384, 1904, *Macrocoleus.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906, *Macrocoleus.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907, *Megrocoleus.*
Reuter, Neark. Caps., p. 68, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910, *Megalocoleus.*
Van Duzee, Can. Ent., xliv, p. 322, 1912, *Macrocoleus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Parshley, Psyche, xxi, p. 142, 1914, *Megalocoleus.*
Parshley, Psyche, xxii, p. 23, 1915.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 96, 1916.

biguttatus Reuter, Neark. Caps., p. 69, 1909.

Localities: Colo., Ariz., Calif.

[Eastern references probably pertain to the next species.]

1172. **Orthotylus flavosparsus** (Sahlbg.)

Sahlberg, Acta Soc. Sci. Fenn., i, p. 411, 1842, *Phytocoris.*
Sahlberg, Monog. Geoc. Fenn., p. 103, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 89, 1853, *Capsus.*
Flor, Rhyn. Livl., i, p. 582, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 288, 1861.
Douglas and Scott, Brit. Hemip., p. 341, 1865, *Litosoma.*
Reuter, Genera Cimic. Eur., p. 35, 1875.
Reuter, Rev. Crit. Caps., ii, p. 135, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 360, 552, 1883.
Saunders, Heter. Brit. Isds., pp. 285, 591, pl. 27, fig. 1, 1892.
Hüeber, Synop. deut. Blindw., ii, pp. 160, 189, 1894?
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Reuter, Neark. Caps., p. 68, 1909.
Smith, Cat. Ins. N. J., edn. 3, pl. 161, 1910.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Parshley, Psyche, xxi, p. 142, 1914.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 97, 1916.

viridipennis Dahlbom, Vet. Akad. Handl. for 1850, p. 212, *Phytocoris.*
†*prasina* Douglas and Scott, Brit. Hemip., p. 344, 1865, *Litosoma.*
unicolor Provancher, Nat. Can., iv, p. 105, 1872, *Lygus.*
†*sericeus* Provancher, Pet. Faune Ent. Can., iii, p. 127, 1887, *Poeciloscytus.*
†*pulchellus* Provancher, Pet. Faune Ent. Can., iii, p. 148, 1887, *Oncotylus.*
†*chlorionis* Horvath, Ann. Mus. Natl. Hung., vi, pp. 5, 565, 1908.

Localities: Quebec, Ont., Me., N. Y., N. J., D. C., Va., Ohio, Kans. (Europe.)

1173. **Orthotylus chlorionis** (Say)

Say, Heter. N. Harm., p. 25, 1832; Fitch reprint, p. 791; Compl. Writ., i,
Uhler, Check List, p. 18, 1886, *Lygus?* [p. 346, *Capsus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Moore, Can. Ent., xxxix, p. 162, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Reuter, Neark. Caps., p. 69, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 99, 1916.
Localities: Quebec, Ont., N. Y., D. C., Calif.

1173¼. **Orthotylus fraternus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 99, 1916.
†*inconspicuus* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 27, 1914.
Locality: Calif.

1173½. **Orthotylus uniformis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 100, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Localities: N. Y., Calif.

1174. **Orthotylus translucens** Tuck.

Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 101, 1916.
Localities: N. Y., Colo.

1175. **Orthotylus diaphanus** (Kirsch.)

Kirschbaum, Rhyn. v. Wiesbd., Caps., pp. 78, 145, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 613, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 290, 1861.
Reuter, Hemip. Gymn. Eur., iii, pp. 358, 551, pl. 5, fig. 15, 1883.
Saunders, Heter. Brit. Isds., pp. 285, 287, 1892.
Hüeber, Synop. deut. Blindw., ii, pp. 159, 180, 1894?
Heidemann, *in* Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
viridinervis Thomson, Opusc. Ent., iv, p. 456, 1871.
Localities: Kans.(?). (Europe.)

1175$\frac{1}{16}$. **Orthotylus senectus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 102, 1916.
Locality: Colo.

1175⅛. **Orthotylus viridis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 103, 1916.
Localities: N. Y., N. C.

1175¼. **Orthotylus nigrinasi** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 104, 1916.
Locality: Texas.

1175⅜. **Orthotylus ovatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 105, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 241, 1916.
Locality: Calif.

1175½. **Orthotylus catulus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 106, 1916.
Locality: N. Y.

[**Orthotylus discoidalis** Uhl. MS]

Riley, 5th Rept. Nox. Ins. Mo., p. 154, 1873.
Locality: Mo.

Subgenus **Diommatus** Uhl.
Haplotype *congrex* Uhl. = *dorsalis* Prov.

Uhler, Ent. Am., iii, p. 32, 1887 (as genus).
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 89 (group III), p. 107, 1916.

1175⅝. **Orthotylus languidus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 107, 1916.
Locality: Calif.

1175¾. **Orthotylus formosus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 108, 1916.
Locality: Calif.

1175⅞. **Orthotylus modestus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 109, 1916.
Localities: N. Y., Pa.

1176. **Orthotylus dorsalis** (Prov.)

Provancher, Nat. Can., iv, p. 104, 1872, *Lygus*.
Provancher, Pet. Faune Ent. Can., iii, p. 138, 1887.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 110, 1916.
congrex (Uhler), Ent. Am., iii, p. 33, 1887, *Diommatus*.
Van Duzee, Can. Ent., xxi, p. 3, 1889, *Diommatus*.
Uhler, Proc. Ent. Soc. Wash., ii, p. 273, 1893, *Diommatus*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 176, 1894, *Diommatus*.
Gillette and Baker, Hemip. Colo., p. 45, 1895, *Diommatus*.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Diommatus*.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905, *Diommatus*.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Diommatus*.
Montgomery, Ent. News, xiii, p. 13, 1902, *Diommatus*.
Reuter, Neark. Caps., p. 67, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910, *Diommatus*.
Parshley, Psyche, xxi, p. 142, 1914.
Localities: Quebec, Ont., Me., N. Y., N. J., Utah, Colo., Kans.

1177. **Orthotylus marginatus** (Uhl.)

Uhler, Hemip. Colo., p. 43, 1895, *Cyrtorrhinus*.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Cyrtorrhinus*.
Van Duzee, Can. Ent., xl, p. 113, 1908, *Cyrtorrhinus*.
Reuter, Neark. Caps., p. 67, 1909, *Cyrtorrhinus?*
Parshley, Psyche, xxi, p. 142, 1914, *Cyrtorrhinus*.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 112, 1916.
Localities: Quebec, Ont., Me., N. Y., Colo.

1177¼. **Orthotylus molliculus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 113, 1916.
Locality: Calif.

1177½. **Orthotylus affinis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 114, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. But., i, p. 241, 1916.
Locality: Calif.

1178. **Orthotylus submarginatus** (Say)

Say, Heter. N. Harm., p. 23, 1832; Fitch reprint, p. 788; Compl. Writ., i, p.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 123, 1916. [344, *Capsus.*
Localities: R. I., N. Y., Ind., Mo.

1178¼. **Orthotylus candidatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 124, 1916.
Locality: N. H.

1178½. **Orthotylus necopinus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 125, 1916.
Localities: N. H., N. Y.

1178¾. **Orthotylus fumidus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 127, 1916.
Locality: Colo.

1179. **Orthotylus angulatus** (Uhl.)

Uhler, Hemip. Colo., p. 44, 1895, *Diommatus.*
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 115, 1916.
Locality: Colo.

a. var. **brunneus** Van D.
Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 116, 1916.
Locality: Calif.

1179⅛. **Orthotylus cuneatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 117, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 242, 1916.
Locality: Calif.

1179¼. **Orthotylus pullatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 118, 1916.
Locality: Calif.

1179⅜. **Orthotylus cruciatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 119, 1916.
Localities: Quebec, Me., Vt., Mass.

1179½. **Orthotylus lateralis** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 120, 1916.
Locality: Colo.

1179⅝. **Orthotylus knighti** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 121, 1916.
Locality: N. Y.

1179¾. **Orthotylus ornatus** Van D.

Van Duzee, Proc. Calif. Acad. Sci., ser. 4, vi, p. 122, 1916.
Locality: N. Y.

1180. **Orthotylus inconspicuus** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 376, 1893, *Asciodema.*
Reuter, Neark. Caps., p. 69, 1909.
Locality: Utah.

[**Orthotylus alternatus** Uhl. MS]

Van Duzee, Can. Ent., xxi, p. 4, 1889.
Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892.
Localities: Ont., D. C.

[**Orthotylus delicatus** Uhl. MS]

Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892.
Locality: D. C.

Genus **Ilnacora** Reut.
Haplotype *divisa* Reut.

Reuter, Caps. Am. Bor., p. 85, 1876.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.

Subgenus **Ilnacora** Reut.

Reuter, Caps. Am. Bor., p. 86, 1876.
Sthenarops Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 418, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 133, 1887.

1181. **Ilnacora divisa** Reut.

Reuter, Caps. Am. Bor., p. 86, 1876.
Gillette and Baker, Hemip. Colo., p. 40, 1895.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
Localities: N. J., Kans., Texas.

1182. **Ilnacora chloris** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 419, 1877, *Sthenarops.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893, *Sthenarops.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 268, 1894.
Gillette and Baker, Hemip. Colo., p. 40, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 360, 1904, *Sthenarops.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Localities Kans., Colo., N. Mex. (Mexico.)

1183. **Ilnacora viridis** Uhl.

Uhler, Hemip. Colo., p. 41, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 360, 1904.
Localities: Colo., N. Mex.

Subgenus **Corinala** Reut.
Haplotype *stalii* Reut.

Reuter, Caps. Am. Bor., p. 86, 1876.

1184. **Ilnacora stalii** Reut.

Reuter, Caps. Am. Bor., p. 86, 1876.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Gillette and Baker, Hemip. Colo., p. 40, 1895.
Seiss, Ent. News, viii, p. 67, 1897.
Osborn, Ohio Nat., i, p. 12, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910.
†*psalliodes* Provancher, Pet. Faune Ent. Can., iii, p. 146, 1877, *Parthenicus.*
Localities: N. Y., N. J., Pa., Ohio, Kans., Colo., Texas.

1185. **Ilnacora malina** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 419, 1877, *Sthenarops.*
Distant, Biol. Centr. Am., Heter., i, p. 431, 1893, *Sthenarops.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 178, 1894, *Sthenarops.*
Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898, *Sthenarops.*
Slosson, Ent. News, xi, p. 323, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 200, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905, *Sthenarops.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 59, 1907.
Tucker, Trans. Kans. Acad. Sci., xx, pt. 2, p. 191, 1907.
Reuter, Ann. k. k. Natl. Hofms. Wien, xxii, p. 174, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 161, 1910. [*Calocoris? inustus* Distant, Biol. Centr. Am., Heter., i, p. 267, pl. 23, fig. 17, 1884,
†*basalis* Provancher, Pet. Faune Ent. Can., iii, p. 128, 1887, *Poeciloscytus.*
Localities: N. H., Mass., N. Y., N. J., Pa., Ia., Kans.

Genus **Semium** Reut.
Haplotype *hirtum* Reut.

Reuter, Caps. Am. Bor., p. 80, 1876.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.

1186. **Semium hirtum** Reut.

Reuter, Caps. Am. Bor., p. 80, 1876.
Reuter, Neark. Caps., p. 73, 1909. [*Eccritotarsus. elegans* Popenoe, Trans. Kans. Acad. Sci., ix, p. 63, 1885 (a MS name),
Uhler, Ent. Am., iii, p. 149, 1887, *Eccritotarsus* (described).
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Eccritotarsus.*
Osborn, Ohio Nat., i, p. 12, 1900, *Eccritotarsus.*
Wirtner, Ann. Carn. Mus., iii, p. 195, 1904, *Eccritotarsus.*
Localities: N. Y., Pa., D. C., Ohio, Ill., Ia., Kans., Texas, Calif.

Genus **Mecomma** Fieb.
Haplotype *ambulans* (Fall.)

Fieber, Wien. Ent. Monat., ii, p. 313, 1858.
Fieber, Europ. Hemip., pp. 69, 284, 1861.
Reuter, Hemip. Gymn. Eur., iii, pp. 383, 545, 1883.
Hüeber, Synop. deut. Blindw., ii, pp. 106, 143, 1894?

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 128, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 834, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.
‖*Sphyracephalus* Douglas and Scott, Brit. Hemip., p. 348, 1865 (haplotype [*ambulans* Fall.).
Sphyrops Douglas and Scott, Ent. Mo. Mag., iii, p. 16, 1866 (n.n. for [*Sphyracephalus* D. & S.).
†*Chlamydatus* Reuter, Genera Cimic. Eur., p. 30, 1875.
Reuter, Rev. Crit. Caps., ii, pp. 90, 124, 1875.

1187. **Mecomma ambulans** (Fall.)

Fallén, Monog. Cimic. Suec., p. 104, 1807, *Capsus.*
Fallén, Hemip. Suec., Cimic., p. 126, 1829, *Capsus.*
Herrich-Schaeffer, Wanz. Ins., iii, p. 109, figs. 335–337, 1835, *Capsus.*
Sahlberg, Monog. Geoc. Fenn., p. 94, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., pp. 76, 114, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 577, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 284, 1861.
Douglas and Scott, Brit. Hemip., p. 349, 1865, *Sphyracephalus.*
Reuter, Rev. Crit. Caps., ii, p. 124, 1875, *Chlamydatus.*
Reuter, Hemip. Gymn. Eur., iii, pp. 384, 555, pl. 2, figs. 1, 2, 1883, *Chlamy-*
Uhler, Check List, p. 20, 1886. [*datus.*
Saunders, Heter. Brit. Isds., p. 280, pl. 26, figs. 3, 4, 1892.
Hüeber, Synop. deut. Blindw., ii, p. 144, 1894?
ochripes Curtis, Brit. Ent., xv, pl. 693, 1838, *Chlamydatus.*
nigritula Zetterstedt, Ins. Lapp., column 279, 1840.
dubia Zetterstedt, Ins. Lapp., column 279, 1840 (immature).
Localities: "Brit. Am." (Europe.)

1188. **Mecomma gilvipes** (Stål)

Stål, Stet. Ent. Zeit., xix, p. 187, 1858, *Leptomerocoris giloipes.*
Reuter, Hemip. Gymn. Eur., iii, pp. 386, 555, pl. 2, fig. 6, 1883.
Uhler, Check List, p. 20, 1886.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Heidemann, Proc. Wash. Acad. Sci., ii, p. 504, 1900.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 551, 1905.
Oshanin, Verz. Palae. Hemip., p. 835, note, 1909.
Localities: Ont., N. H., N. Y., Wash., Alaska.

Genus **Orthocephalus** Fieb.
Logotype *brevis* (Panz.)

Fieber, Wien. Ent. Monat., ii, p. 316, 1858.
Fieber, Europ. Hemip., pp. 71, 291, 1861.
Douglas and Scott, Brit. Hemip., p. 429, 1865.
Thomson, Opusc. Ent., iv, p. 432, 1871.
Reuter, Genera Cimic. Eur., p. 24, 1875.
Reuter, Rev. Crit. Caps., i, p. 86; ii, p. 93, 1875.
?Provancher, Pet. Faune Ent. Can., iii, p. 136, 1887.
Reuter, Hemip. Gymn. Eur., iv, pp. 43, 158, 1891.
Hüeber, Synop. deut. Blindw., ii, pp. 3, 15, 1894?

1189. **Orthocephalus saltator** (Hahn)

Hahn, Wanz. Ins., iii, p. 11, fig. 236, 1835, *Capsus.*
Fieber, Europ. Hemip., p. 293, 1861.
Douglas and Scott, Brit. Hemip., p. 431, pl. 14, fig. 2, 1865.
Thomson, Opusc. Ent., iv, p. 432, 1871.
Reuter, Rev. Crit. Caps., ii, p. 95, 1875.
Uhler, Check List, p. 20, 1886.
Reuter, Hemip. Gymn. Europ., iv, pp. 51, 165, pl. 1, fig. 10; pl. 4, fig. 1, 1891.
Saunders, Heter. Brit. Isds., p. 270, pl. 25, fig. 2, 1892.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
‖*mutabilis* var. Fallén, Hemip. Suec., Cimic., p. 118, 1829, *Capsus.*
mutabilis Burmeister, Handb. d. Ent., ii, p. 277, 1835, *Halticus.*
Sahlberg, Monog. Geoc. Fenn., p. 120, 1848, *Capsus.*
Flor, Rhyn. Livl., i, p. 567, 1860, *Capsus.*
hirtus Curtis, Brit. Ent., xv, pl. 693, 1838, *Capsus.* [*Pachytoma.*
major Costa, Cimic. Reg. Neap., Cent. iii, p. 278, pl. 3, figs. 5, 6, 1852,
infuscatus Garbiglietti, Bul. Soc. Ent. Ital., i, p. 190, 1869, *Globiceps.*
Localities: Alaska. (Europe, Siberia.)

Orthocephalus sp. nov. Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 377, 1893.
Locality: Utah.

Genus **Pseudopsallus** Van D.
Orthotype *angularis* Uhl.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 213, 224, 1916.

1190. **Pseudopsallus angularis** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 272, 1894, *Macrotylus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914, *Macrotylus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 224, 1916.
Locality: Calif.

1191. **Pseudopsallus verticalis** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 272, 1894, *Macrotylus.*
Gillette and Baker, Hemip. Colo., p. 51, 1895, *Macrotylus.* [*Macrotylus.*
Hunter and Pratt, U. S. Dept. Agr., Div. Ent., Bul. n.s. 113, p. 41, 1913,
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Plagiognathus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 225, 1916.
Localities: Colo., N. Mex., Calif.

Genus **Labopidea** Uhl.
Haplotype *chloriza* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 415, 1877. [(monograph).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 214, 218, 1916

1192. **Labopidea nigripes** (Reut.)

Reuter, Neark. Caps., p. 68, 1909, *Orthotylus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 219, 242, 1916.
Localities: Nevada, Calif., Br. Col.

1193. **Labopidea simplex** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 417, 1872, *Tinicephalus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876; iii, p. 418, 1877, *Tini-*
Gillette and Baker, Hemip. Colo., p. 42, 1895, *Tinicephalus.* [*cephalus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 220, 1916.
Van Duzee, Psyche, xxiii, p. 141, 1916.
grisea Reuter, Neark. Caps., p. 73, 1909, *Hyoidea.*
Localities: Wyo., Colo., N. Mex., Calif.

1194. **Labopidea chloriza** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 416, 1877.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 268, 1894.
Gillette and Baker, Hemip. Colo., p. 46, 1895.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 221, 1916 (notice).
Localities: Colo., Utah.

1195. **Labopidea sericata** (Uhl.)

Uhler, Hemip. Colo., p. 49, 1895, *Oncotylus.*
Reuter, Neark. Caps., p. 69, 1909, *Orthotylus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 220, 1916.
Localities: Colo., Nev.

1195½. **Labopidea atriseta** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 221, 1916.
Locality: Calif.

Genus **Macrotyloides** Van D.
Orthotype *vestitus* Uhl.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 214, 222, 1916.

1196. **Macrotyloides vestitus** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 88, 1890, *Macrotylus.*
?Wirtner, Ann. Carn. Mus., iii, p. 201, 1904, *Macrotylus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Macrotylus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 222, 1916.
Localities: Calif. (Pa.?)

1196½. **Macrotyloides apicalis** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 223, 1916.
Locality: Calif.

Genus **Argyrocoris** Van D.
Haplotype *scurrilis* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 478, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.

1197. **Argyrocoris scurrilis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 479, 1912.
Locality: Ariz.

1197½. **Argyrocoris femoratus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 225, 1916.
Locality: Calif.

Genus **Parthenicus** Reut.
Haplotype *psalliodes* Reut.

Reuter, Caps. Am. Bor., p. 84, 1876.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 213, 1916.

1198. **Parthenicus psalliodes** Reut.
Reuter, Caps. Am. Bor., p. 85, 1876.
Locality: Texas.

1199. **Parthenicus vaccini** (Van D.)
Van Duzee, Pomona Jl. Ent. Zool., vii, p. 117, 1915, *Psallus.*
Van Duzee, Check List Hemip., p. 45, 1916.
Locality: Mass.

1199½. **Parthenicus picicollis** Van D.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 226, 1916.
Locality: Calif.

Subfamily PHYLINAE Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 110, 111, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 202, 1916.
Van Duzee, Check List Hemip., p. 45, 1916.
Plagiognathinae Oshanin, Kat. Palae. Hemip., p. 77, 1912.

TRIBE *PHYLINI* (Reut.)

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 112, 1910, Division *Phylaria.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 202, 214, 1916.
[Tribe *Boopidocorini* Reut. (Kirk.) is palaearctic.]

DIVISION *ONCOTYLARIA* (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 32, 384, 1865, Fam. *Oncotylidae.*
Reuter, Rev. Crit. Caps., i, p. 77; ii, p. 138, 1875.
Reuter, Hemip. Gymn. Eur., ii, p. 193, 1879; iii, p. 568, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 100, 1886, *Oncotylides.*
Reuter, Festsch. f. Palmen, i, pp. 16, 27, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 125, 1906, Tribe *Oncotylini.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.
Xenocorini Kirkaldy, Can. Ent., xxxviii, p. 370, 1906. (Tribe.)

Genus **Macrotylus** Fieb.
Haplotype *luniger* Fieb.

Fieber, Wien. Ent. Monat., ii, p. 325, 1858.
Fieber, Europ. Hemip., pp. 76, 317, 1861.
Thomson, Opusc. Ent., iv, p. 452, 1871.
Reuter, Genera Cimic. Eur., p. 43, 1875.
Reuter, Rev. Crit. Caps., i, p. 96, 1875.
Reuter, Hemip. Gymn. Eur., ii, p. 194, 1879; iii, p. 529, 1883.
Hüeber, Synop. deut. Blindw., ii, p. 243, 1894?
Oshanin, Verz. Palae. Hemip., i, p. 882, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 5, 1916 (monograph).
Mermimerus Sahlberg, Not. Soc. Fauna Flora Fenn., xi, p. 293, 1870 (type [*cruciatus* Sahlbg.).
Reuter, Genera Cimic. Eur., p. 43, 1875 (as subgenus).

1200. **Macrotylus 6-guttatus** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 150, 1887, *Amblytylus.*
Van Duzee, Ottawa Nat., xxvi, p. 68, 1912.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 6, 1916.
Localities: Quebec, N. Y.

1201. **Macrotylus amoenus** Reut.

Reuter, Neark. Caps., p. 75, 1909.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 6, 1916.
Macrotylus sp. Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, No. 156, 1909.
Localities: Conn., Pa., Fla.

1201¼. **Macrotylus multipunctatus** Van D.

Van Duzee, Pomona Jl. Ent. Zool., viii, p. 7, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 242, 1916.
Locality: Calif.

1201½. **Macrotylus dorsalis** Van D.

Van Duzee, Pomona Jl. Ent. Zool., viii, p. 7, 1916.
Locality: Calif.

1201¾. **Macrotylus essigi** Van D.

Van Duzee, Pomona Jl. Ent. Zool., viii, p. 8, 1916.
Locality: Calif.

1202. **Macrotylus lineolatus** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 270, 1894.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 9, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 242, 1916.
Locality: Calif.

1203. **Macrotylus herrichi** (Reut.)

Reuter, Not. Säll. Fauna Flora Fenn. Forh., xiv, p. 24, 1873, *Hoplomachus.*
Reuter, Genera Cimic. Eur., p. 39, 1875, *Hoplomachus.*
Reuter, Hemip. Gymn. Eur., ii, p. 200, 1879; iii, p. 534, 1883.
‖*bilineatus* Herrich-Schaeffer, Wanz. Ins., iii, p. 70, fig. 285, 1836, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 82, No. 105, 1855, *Capsus.*
Fieber, Europ. Hemip., p. 316, 1861, *Hoplomachus.*
Uhler, Check List, p. 20, 1886, *Hoplomachus.*
Localities: "Brit. Am." (Europe.)

1203½. **Macrotylus infuscatus** Van D.

Van Duzee, Pomona Jl. Ent. Zool., viii, p. 10, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 242, 1916.
Locality: Calif.

1204. **Macrotylus tristis Uhl.**

Uhler, Trans. Md. Acad. Sci., i, p. 87, 1890.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 28, 1914.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 11, 1916.
Localities: Colo., Calif.

1205. **Macrotylus regalis** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 86, 1890.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914.
Van Duzee, Pomona Jl. Ent. Zool., viii, p. 11, 1916.
Locality: Calif.

[**Macrotylus guttatus** Uhl. MS]

Van Duzee, Can. Ent., xxi, p. 4, 1889.
[May be *6-guttatus* Prov.]
Locality: Ont.

[**Macrotylus desiccatus** Uhl. MS]

Townsend, Can. Ent., xxiv, p. 194, 1892.
Locality: N. Mex.

Genus **Hoplomachidea** Reut.
Orthotype *consors* Uhl.

Reuter, Neark. Caps., p. 75, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.

1206. **Hoplomachidea consors** (Uhl.)

Uhler, N. Am. Fauna, vii, p. 264, 1893, *Haplomachus.*
Reuter, Neark. Caps., p. 75, 1909 (as type).
Locality: Calif.

Genus **Lopus** Hahn
Logotype *chrysanthemi* Hahn = *decolor* Fall.

Hahn, Wanz. Ins., i, p. 143, 1832 (refers to figures on pl. 1).
Reuter, Wien. Ent. Zeit., xxv, p. 216, 1906.
Kirkaldy, Can Ent., xxxviii, p. 376, 1906.
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 27, 1908.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 146, 1910.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 41, 1912.
Onychumenus Reuter, Hemip. Gymn. Eur., ii, p. 286, 1879 (type *decolor*
Reuter, Hemip. Gymn. Eur., iii, p. 529, 1883. [Fall.).
Hüeber, Synop. deut. Blindw., ii, pp. 243, 247, 1894?
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 126, 1906.
Oshanin, Verz. Palae. Hemip., p. 858, 1909.
Oshanin, Kat. Palae. Hemip., p. 77, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.
Van Duzee, Check List Hemip., p. 46, 1916.

1207. **Lopus decolor** (Fall.)

Fallén, Monog. Cimic. Suec., p. 102, 1807, *Capsus.*
Fallén, Hemip. Suec., Cimic., p. 123, 1829, *Capsus.*
Meyer–Duer, Synop. Schw. Rhyn., p. 86, 1843, *Capsus.*
Sahlberg, Monog. Geoc. Fenn., p. 95, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 77, No. 91, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 555, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 298, 1861, *Oncotylus.*
Douglas and Scott, Brit. Hemip., p. 393, pl. 13, fig. 2, 1865, *Oncotylus.*
Thomson, Opusc. Ent., iv, p. 452, 1871, *Capsus* (*Phylus*).

Reuter, Genera Cimic. Eur., p. 40, 1875, *Oncotylus.*
Reuter, Rev. Crit. Caps., ii, p. 142, 1875, *Oncotylus.*
Reuter, Hemip. Gymn. Eur., ii, p. 287, 1879, *Onychumenus.*
Provancher, Pet. Faune Ent. Can., iii, p. 148, 1887, *Oncotylus.*
Saunders, Heter. Brit. Isds., p. 297, pl. 27, fig. 10, 1892, *Onychumenus.*
Montgomery, Ent. News, xiii, p. 13, 1902, *Oncotylus.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905, *Onychumenus.*
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 27, 1908.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914.
Parshley, Psyche, xxi, p. 142, 1914.

chrysanthemi Hahn, Wanz. Ins., i, p. 10, fig. 4, 1831.

palliatus (Perris), Ann. Soc. Linn., Lyons, iv, p. 166, 1857, *Capsus.*

Localities: Quebec, Ont., Me., Mass., Conn., N. Y., N. J., D. C., Calif.

1208. **Oncotylus punctipes** Reut.

Saunders, Ent. Mo. Mag., x, p. 91, 1873 (without name).
Reuter, Genera Cimic. Eur., p. 42, 1875 (characterized).
Reuter, Rev. Crit. Caps., ii, p. 144, 1875 (described).
Reuter, Hemip. Gymn. Eur., ii, p. 279, pl. 5, fig. 4, 1879; iii, p. 541, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 149, 1887.
Hüeber, Synop. deut. Blindw., ii, pp. 254, 258, 1894?
Van Duzee, Can. Ent., xliv, p. 322, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914.

†*tanaceti* (Herrich-Schaeffer), Wanz. Ins., iii, p. 85, fig. 309, 1836, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 80, No. 102, 1855, *Capsus*
Fieber, Europ. Hemip., p. 299, 1861. [(*Leptomerocoris.*)

Localities: Ont., Me., Calif.

1209. **Oncotylus puberus** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 270, 1894.

Locality: Calif.

1210. **Oncotylus guttulatus** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 269, 1894.
Gillette and Baker, Hemip. Colo., p. 48, 1895.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.

Localities: Colo., Ariz., Calif.

1211. **Oncotylus repertus** Uhl.

Uhler, Hemip. Colo., p. 49, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914.

Localities: Colo., Calif.

1212. **Oncotylus longipennis** Uhl.

Uhler, Hemip. Colo., p. 48, 1895.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 360, 1904.

Localities: Colo., N. Mex.

DIVISION *PHYLARIA* (D. & S.)

Douglas and Scott, Brit. Hemip., pp. 30, 346, 1865, Family *Phylidae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 112, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.

Astemmides Amyot and Serville, Hémip., pp. xxxix, 283, 1843 (an un-[natural group founded on the want of a membrane).
Psallidae Douglas and Scott, Brit. Hemip., pp. 32, 400, 1865. (Family.)
Harpoceridae Douglas and Scott, Brit. Hemip., pp. 33, 468, 1865. (Family.)
Plagiognatharia Reuter, Genera Cimic. Eur., p. 7, 1875.
Reuter, Rev. Crit. Caps., i, p. 77; ii, p. 148, 1875.
Reuter, Hemip. Gymn. Eur., i, p. 15, 1878; iii, p. 568, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 101, 1887, *Plagiognathides.*
Distant, Fauna Brit. Ind., ii, p. 481, 1904.
Reuter, Festschr. f. Palmen, i, pp. 15, 26, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906, *Plagiogastharia* [as synonym of *Chlamydatini.*
Oshanin, Kat. Palae. Hemip., p. 77, 1912. (Tribe.)
Nasocoraria Reuter, Hemip. Gymn. Eur., iii, pp. 317, 568, 1883.
Reuter, Festschr. f. Palmen, i, pp. 16, 27, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 126, 1906, Tribe *Nasocorini.*
Kirkaldy, Can. Ent., xxxviii, p. 370, 1906, Tribe *Nasocorini.*
Exaeretaria Reuter, Hemip. Gymn. Eur., iii, p. 566, 1883.
Reuter, Festschr. f. Palmen, i, pp. 16, 26, 1905.
Camptotylaria Reuter, Hemip. Gymn. Eur., iv, p. 7, 1891. [*tylini.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 130, 1906, Tribe *Campto-*
Kirkaldy, Can. Ent., xxxviii, p. 370, 1906, Tribe *Camptotylini.*
Cremnorrhinaria Reuter, Hemip. Gymn. Eur., iii, p. 567, 1883; iv, p. 13,
Reuter, Festschr. f. Palmen, i, pp. 15, 26, 1905. [1891.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 129, 1906, Tribe *Cremnorrhini.*
Kirkaldy, Can. Ent., xxxviii, p. 370, 1906, Tribe *Cremnorrhinini.*
Chlamydataria Kirkaldy, Fauna Hawai., iii, p. 131, 1902. [*datini*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906, Tribe *Chlamy-*
Kirkaldy, Can. Ent., xxxviii, p. 370, 1906, Tribe *Chlamydatini.*

Genus **Reuteroscopus** Kirk.
Haplotype *ornatus* (Reut.)

Kirkaldy, Wien. Ent. Zeit., xxiv, p. 268, 1905 (n.n. for *Episcopus* Reut.).
Reuter, Festschr. f. Palmen, i, p. 46, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 28, 1907. (Syn. note.)
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 147, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 215, 1916.
‖*Episcopus* Reuter, Caps. Am. Bor., p. 90, 1876 (Haplotype *ornatus* Reut.).
Aristoreuteria Kirkaldy, Trans. Ann. Ent. Soc., xxxii, p. 124, 1906 (n.n. [for *Episcopus* Reut.).

1213. **Reuteroscopus ornatus** (Reut.)

Reuter, Caps. Am. Bor., p. 90, 1876, *Episcopus.*
Van Duzee, Can. Ent., xix, p. 72, 1887, *Episcopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894, *Episcopus.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 195, *Episcopus.*
Gillette and Baker, Hemip. Colo., p. 51, 1895, *Episcopus.*
Seiss, Ent. News, viii, p. 67, 1897, *Episcopus.*

Osborn, Proc. Ia. Acad. Sci., v, p. 233, 1898, *Episcopus.*
Osborn, Ohio Nat., i, p. 12, 1900, *Episcopus.*
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905, *Episcopus.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Episcopus.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906, *Episcopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 28, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Ont., N. Y., N. J., Fla., Ohio, Ia., Kans., Colo., Texas. (West Indies.)

a. var. **uvidus** (Dist.)
Distant, Biol. Centr. Am., Heter., i, p. 433, pl. 37, fig. 18, 1893, *Lygus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 182, 1909.
†*ornatus* Reuter, Festschr. f. Palmen, i, p. 46, 1905 (part).
Localities: N. J., Fla., Kans. (Mexico.)

Genus **Psallus** Fieb.
Logotype *roseus* (Fabr.)

Fieber, Wien. Ent. Monat., ii, p. 321, 1858.
Fieber, Europ. Hemip., pp. 74, 305, 1861.
Reuter, Genera Cimic. Eur., p. 46, 1875.
Reuter, Rev. Crit. Caps., i, p. 98; ii, p. 158 (subg. on p. 167), 1875.
Reuter, Hemip. Gymn. Eur., i, p. 101, 1878; iii, p. 503, 1883.
Provancher, Pet. Fauna Ent. Can., iii, p. 152, 1887.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 482, 1904 (gives *roseus* as type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 124, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 897, 1909.
Oshanin, Kat. Palae. Hemip., p. 80, 1912.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 61, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 215, 243, 1916.
Liops Fieber, Verh. Zool.-Bot. Ges. Wien, xx, p. 254, 1870 (type *puncti-* [*collis* Fieb.).
?Capellanus Distant, Ann. Mag. Nat. Hist., ser. 7, xiii, p. 109, 1904 (Hap- [lotype *Lygus sparsus* Dist.).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 157, 1910.
Pseudatomoscelis Poppius, Ann. Soc. Ent. Belg., lv, p. 85, 1911.

1214. **Psallus juniperi** Heid.

Heidemann, Proc. Ent. Soc. Wash., ii, p. 225, 1892 (nomen nudum).
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 49, 1905 (described).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914 *Apocremnus.*
Localities: Ont., N. Y., W. Va., D. C.

1215. **Psallus guttulosus** Reut.

Reuter, Caps. Am. Bor., p. 89, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 276, 1894.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914, *Apocremnus.*
Localities: Ga., Fla., Texas, Colo.

1216. **Psallus biguttulatus** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 275, 1894.
Localities: Calif. (Mexico.)

1217. **Psallus sulphureus** Reut.

Reuter, Of. Finska Vet.-Soc. Forh., xlix, No. 5, p. 23, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 27, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 183, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914, *Apocremnus.*
Localities: Fla. (West Indies).

1218. **Psallus seriatus** (Reut.)

Reuter, Caps. Am. Bor., p. 91, 1876, *Atomoscelis.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 377, 1893, *Atomoscelis.*
Gillette and Baker, Hemip. Colo., p. 52, 1895, *Atomoscelis.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904, *Atomoscelis.*
Snow, Trans. Kans. Acad. Sci., xx, pp. 152, 179, 1906, *Atomoscelis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 183, 1909, *Atomoscelis.*
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910, *Atomoscelis.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914, *Atomoscelis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Atomoscelis.*
Van Duzee, Check List Hemip., p. 46, 1916.
Localities: Md., D. C., Fla., Utah, Colo., N. Mex., Ariz., Texas, Calif.

1219. **Psallus pilosulus** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 377, 1893, *Atomoscelis.*
Van Duzee, Pomona Jl. Ent. Zool., vii, p. 118, 1915.
Van Duzee, Check List Hemip., p. 46, 1916.
Locality: Utah.

1220. **Psallus tuckeri** (Popp.)

Poppius, Ann. Soc. Ent. Belg., lv, p. 86, 1911, *Pseudatomoscelis.*
Van Duzee, Check List Hemip., p. 46, 1916.
Locality: Texas.

[**Psallus sericeus** Uhl. MS]

Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892.
Locality: D. C.

[**Psallus antennatus** Uhl. MS]

Van Duzee, Can. Ent., xxi, p. 4, 1889.
Locality: Ont.

Genus **Sthenarus** Fieb.
Logotype *rottermundi* (Schultz)

Fieber, Wien. Ent. Monat., ii, p. 321, 1858.
Fieber, Europ. Hemip., pp. 74, 309, 1861.
Douglas and Scott, Brit. Hemip., p. 421, 1865.
Thomson, Opusc. Ent., iv, p. 449, 1871.
Reuter, Genera Cimic. Eur., p. 55, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 99; ii, p. 178, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 42, 1878; iii, p. 502, 1883.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 215, 1916.
Phoenicocoris Reuter, Genera Cimic. Eur., p. 55, 1875 (as subgenus; type [*modestus* Meyer).
Reuter, Rev. Crit. Caps., i, p. 99; iii, p. 779, 1875 (as subgenus).
Reuter, Caps. Am. Bor., p. 90, 1876.

1221. **Sthenarus pubescens** (Reut.)

Reuter, Caps. Am. Bor., p. 90, 1876, *Phoenicocoris.*
Van Duzee, Check List Hemip., p. 46, 1916.
Locality: Texas.

1222. **Sthenarus cuneotinctus** (Van D.)

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 118, 1915, *Psallus.*
Van Duzee, Check List Hemip., p. 46, 1916.

Genus **Criocoris** Fieb.
Haplotype *crassicornis* Hahn

Fieber, Wien. Ent. Monat., ii, p. 319, 1858.
Fieber, Europ. Hemip., pp. 73, 301, 1861.
Reuter, Genera Cimic. Eur., p. 54, 1875.
Reuter, Crit. Rev. Caps., i, p. 99; ii, p. 177, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 84, 1879; iii, p. 503, 1883.
Oshanin, Verz. Palae. Hemip., i, p. 919, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 215, 1916.
Colpochilus Reuter, Genera Cimic. Eur., p. 60, 1875 (type *tenuicornis* [Reut. = *crassicornis* Hahn).
‖*Strongylotes* Reuter, Caps. Am. Bor., p. 88, 1876 (type *saliens* Reut.).
Reuter, Neark. Caps., p. 79, 1909 (redescribed). [*ylotes* Reut.).
‖*Laodamia* Kirkaldy, Wien. Ent. Zeit., xxii, p. 13, 1903 (n.n. for *Strong-*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 145, 1910. [*damia* Kirk.).
Laodamina Banks, Cat. Neare. Hemip., pp. 29, 103, 1910 (n.n. for *Lao-*
Criocoridea Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 512, 1912 (n.n. for [*Laodamia* Kirk.).

1223. **Criocoris saliens** (Reut.)

Reuter, Caps. Am. Bor., p. 88, 1876, *Strongylotes.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894, *Strongylotes.*
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904, *Strongylotes.*
Reuter, Neark. Caps., p. 79, 1909, *Strongylotes.*
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910, *Strongylotes.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914.
Localities: Texas, Calif.
[Eastern references probably refer to the next species.]

1224. **Criocoris canadensis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 511, 1912.
Localities: Quebec, Ont.

Genus **Microphylellus** Reut.
Orthotype *modestus* Reut.

Reuter, Neark. Caps., p. 76, 1909 (nomen nudum here).
Reuter, Of. Finska Vet.-Soc. Forh., liv. Afd. A, No. 7, p. 62, 1912 (valid here).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 215, 1916.

1225. **Microphylellus modestus** Reut.

Heidemann, Proc. Ent. Soc. Wash., ii, p. 226, 1892, *Phylus* (MS name).
Smith, Cat. Ins. N. J., edn. 3, p. 133, 1900, *Phylus* (MS name).
Wirtner, Ann. Carn. Mus., iii, p. 202, 1904, *Phylus* (MS name).
Reuter, Neark. Caps., p. 76, 1909 (MS name, as type).
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 62, 1912 (described).
Localities: Ont. Mass., N. Y., N. J., Pa.

1226. **Microphylellus rubricans** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 154, 1887, *Plagiognathus.*
Van Duzee, Can. Ent., xliv, p. 323, 1912, *Rhinocapsus.*
Localities: Quebec, Mass., N. C.

1226½. **Microphylellus alpinus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 242, 1916.
Localities: Calif.

1227. **Microphylellus bicinctus** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 30, 1914, *Chlamydatus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 243, 1916.
Locality: Calif.

Genus **Rhinocapsus** Uhl.
Haplotype *vanduzeii* Uhl

Uhler, Trans. Md. Acad. Sci., i, p. 81, 1890.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 147, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 215, 1916.

1228. **Rhinocapsus vanduzeii** Uhl.

Van Duzee, Can. Ent., xxi, p. 4, 1889 (MS name).
Uhler, Trans. Md. Acad. Sci., i, p. 82, 1890.
Harrington, Ottawa Nat., vi, p. 28, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Slosson, Ent. News, vi, p. 5, 1895.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Can. Ent., xxxviii, p. 407, 1906.
Moore, Can. Ent., xxxix, p. 162, 1907.
Banks, Ent. News, xxiii, p. 105, 1912.
Localities: Ont., Me., N. H., Mass., N. Y., Md., Va., N. C., Fla.

Genus **Gerhardiella** Popp.
Haplotype *rubida* Popp.

Poppius, Ann. Soc. Ent. Belg., lv, p. 84, 1911.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 215, 243, 1916.

1229. **Gerhardiella rubida** Popp.

Poppius, Ann. Soc. Ent. Belg., lv, p. 85, 1911. [*scytus. rosaceus* (Van Duzee), Bul. Buf. Soc. Nat. Sci., x, p. 488, 1912, *Poecilo-*§*roseus* Van Duzee, Check List Hemip., p. 46, 1916 (in synonomy).
Locality: Colo.

1230. **Gerhardiella delicatus** (Uhl.)

Uhler, Ent. Am., iii, p. 34, 1887, *Psallus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 275, 1894, *Psallus.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907, *Psallus.*
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910, *Psallus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 243, 1916.
Localities: Ga., Kans., Calif.

Genus **Plagiognathus** Fieb.
Logotype *arbustorum* Fabr.

Fieber, Wien. Ent. Monat., ii, p. 320, 1858.
Fieber, Europ. Hemip., pp. 73, 302, 1861.
Douglas and Scott, Brit. Hemip., p. 400, 1865.
Thomson, Opusc. Ent., iv, p. 447, 1871.
Reuter, Genera Cimic. Eur., p. 56, 1875.
Reuter, Rev. Crit. Caps., i, p. 99; ii, p. 180, 1875.
Reuter, Hemip. Gymn. Eur., i, pp. 71, 175, 1879; iii, p. 503, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 153, 1887.
Atkinson, Cat. Capsidae, p. 170, 1889.
Oshanin, Verz. Palae. Hemip., p. 921, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 215, 243, 1916.

1231. **Plagiognathus confusus Reut.**

Reuter, Neark. Caps., p. 80, 1909.
Locality: Nev.

1232. **Plagiognathus affiguratus** Uhl.

Uhler, Hemip. Colo., p. 50, 1895, *Macrotylus.*
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 61, 1912.
Localities: Colo., Calif.

1233. **Plagiognathus moerens** Reut.

Gillette and Baker, Hemip. Colo., p. 51, 1895, *Macrotylus* (MS name).
?Townsend, Proc. Ent. Soc. Wash., ii, p. 54, 1891, *Hoplomachus* (MS name).
Reuter, Neark. Caps., p. 80, 1909 (described).
Localities: Mich., Colo., Wyo., Calif.

1234. **Plagiognathus blatchleyi** Reut.

Smith, Cat. Ins. N. J., edn. 2, p. 132, 1900, *Macrotylus* (MS name). [scribed).
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 7, p. 61, 1912 (de-
Localities: Me., Mass., N. Y., N. J.

1235. **Plagiognathus fuscosus** (Prov.)

Provancher, Nat. Can., iv, p. 105, 1872, *Lygus.*
Van Duzee, Can. Ent., xliv, p. 323, 1912.
Parshley, Psyche, xxi, p. 143, 1914.
Localities: Quebec, Me.

1236. **Plagiognathus grandis** Reut.

Reuter, Caps. Am. Bor., p. 91, 1876.
Locality: Texas.

1237. **Plagiognathus albatus** (Van D.)

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 116, 1915, *Psallus.*
Localities: N. Y., Pa., D. C., Calif.

1238. **Plagiognathus fraternus** Uhl.

Uhler, Hemip. Colo., p. 51, 1895.
Slosson, Ent. News, xi, p. 323, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Parshley, Psyche, xxi, p. 143, 1914.
Localities: Me., N. H., N. Y., Pa., Colo.

1239. **Plagiognathus obscurus** Uhl.

Uhler, Hayden's Surv. Terr. for 1871, p. 418, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876; iii, p. 422, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 409, 1878.
Van Duzee, Can. Ent., xix, p. 72, 1887.
Cockerell, Trans. Am. Ent. Soc., xx, p. 363, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894.
Slosson, Ent. News, vi, p. 5, 1895.
Gillette and Baker, Hemip. Colo., p. 52, 1895.
Osborn, Ohio Nat., i, p. 12, 1900.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 110, 1903.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 179, 1906.
Van Duzee, Can. Ent. xxxviii, p. 408, 1906.
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Moore, Can. Ent., xxxix, p. 162, 1907.
Van Duzee, Can. Ent., xl, p. 113, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Parshley, Psyche, xxi, p. 143, 1914.
†*fuscosus* Provancher, Pet. Faune Ent. Can., iii, p. 153, 1887 (not of 1872).
†*delicatus* (Provancher), Pet. Faune Ent. Can., iii, p. 152, 1887, *Psallus*.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Ohio, Kans., Colo.

1240. **Plagiognathus annulatus** Uhl.

Uhler, Hemip. Colo., p. 51, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Moore, Can. Ent., xxxix, p. 162, 1907.
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Localities: Ont., Mass., N. Y., Pa., Kans., Colo.

1241. **Plagiognathus politus** Uhl.

Uhler, Hemip. Colo., p. 52, 1895.
Smith, Cat. Ins. N. J., edn. 2, p. 133, 1900.
Montgomery, Ent. News, xiii, p. 13, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.

Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Moore, Can. Ent., xxxix, p. 162, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Parshley, Psyche, xxi, p. 143, 1914. [*cremnus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 243, 1916, *Apo-*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., Kans., Manitoba. (Mexico?)

1242. **Plagiognathus breviceps** (Reut.)

Reuter, Neark. Caps., p. 78, 1909, *Psallus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Psallus?*
Van Duzee, Check List Hemip., p. 47, 1916.

[**Plagiognathus cunealis** Uhl. MS]

Reuter, Neark. Caps., p. 78, 1909, *Psallus.*
Locality: D. C.

[**Plagiognathus pallipes** Uhl. MS]

Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892.
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905.
Localities: Kans., Ia.

Genus **Apocremnus** Fieb.
Haplotype *ancorifer* Fieb.

Fieber, Wien. Ent. Monat., ii, p. 320, 1858.
Fieber, Europ. Hemip., pp. 74, 304, 1861.
Douglas and Scott, Brit. Hemip., p. 403, 1865.
Thomson, Opusc. Ent., iv, p. 445, 1871.
Reuter, Rev. Crit. Caps., i, p. 98; ii, p. 159, 1875 (subgen. of *Psallus*).
Reuter, Crit. Rev. Caps., i, p. 98; ii, p. 159, 1875 (subgen. of *Psallus*).
Atkinson, Cat. Capsidae, p. 160, 1889 (as synon. of *Psallus*).
Oshanin, Verz. Palae. Hemip., i, p. 897, 1909 (as synon. of *Psallus*).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 145, 1910 (includes *Psallus*).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, pp. 215, 243, 1916.

1243. **Apocremnus ancorifer** Fieb.

Fieber, Wien. Ent. Monat., ii, p. 336, 1858.
Fieber, Europ. Hemip., p. 304, 1861.
Walker, Cat. Heter., vi, p. 150, 1873, *Eurymerocoris.*
Reuter, Genera Cimic. Eur., p. 47, 1875.
Reuter, Hemip. Gymn. Eur., i, p. 104, pl. 7, fig. 7, 1878; iii, pp. 517, 518, 1883.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908, *Psallus.*
Reuter, Neark. Caps., p. 77, 1909, *Psallus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Psallus.*
nigripes male (Fieber), Europ. Hemip., p. 295, 1861, *Atractotomus.*
minor Reuter, Hemip. Gymn. Eur., iii, p. 460, 1883 (as variety).
puberulus (Montandon), Rev. d'Ent., vi. p. 68, 1887, *Psallus.*
[*robustus* Uhl. MS] Smith, Cat. Ins. N. J., edn. 2, p. 132, 1900.
Localities: N. Y., N. J., D. C., Calif. (Europe.)

1244. **Apocremnus variabilis** (Fall.)

Fallén, Monog. Cimic. Suec., p. 88, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 98, 1829, *Phytocoris.*
Hahn, Wanz. Ins., ii, p. 137, fig. 224, 1834, *Phytocoris.*
Zetterstedt, Ins. Lapp., column 275, 1840, *Phytocoris.*
Meyer–Duer, Verz. Schw. Rhyn., p. 68, 1843, *Capsus.*
Sahlberg, Monog. Geoc. Fenn., p. 115, 1848, *Capsus.*
Costa, Cimic. Reg. Neap., Cent., iii, p. 268, 1852, *Phytocoris.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 93, No. 129, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 592, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 305, 1861.
Douglas and Scott, Brit. Hemip., p. 408, 1865.
Thomson, Opusc. Ent., iv, p. 447, 1871, *Capsus.*
Walker, Cat. Heter., vi, p. 151, 1873, *Eurymerocoris.*
Reuter, Genera Cimic. Eur., p. 49, 1875.
Reuter, Rev. Crit. Caps., ii, p. 165, 1875.
Reuter, Hemip. Gymn. Eur., i, p. 116, pl. 7, fig. 5, 1878; ii, p. 303, 1879; iii, [p. 520, 1883.
Van Duzee, Can. Ent., xxi, p. 4, 1889.
Saunders, Heter. Brit. Isds., pp. 311, 313, pl. 29, fig. 6, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 179, 1894.
Banks, Cat. Neark. Hemip., p. 31, 1910.
perrisii (Mulsant & Rey), Ann. Soc. Linn., Lyons, i, p. 139, 1852, *Capsus.*
salicis (Douglas and Scott), Brit. Hemip., p. 415, 1865, *Psallus.*
Localities: Ont., N. Y. (Europe.)

1244½. **Apocremnus nigerrimus** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 243, 1916.
Locality: Calif.

Genus **Bolteria** Uhl.
Haplotype *amicta* Uhl.

Uhler, Ent. Am., iii, p. 33, 1887.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 147, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.
Van Duzee, Psyche, xxiii, p. 141, 1916.

1245. **Bolteria amicta** Uhl.

Uhler, Ent. Am., iii, p. 34, 1887.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904.
Locality: N. Mex.

1246. **Bolteria picta** Uhl.

Uhler, Proc. Ent. Soc. Wash., ii, p. 373, 1893.
Gillette and Baker, Hemip. Colo., p. 51, 1895.
Reuter, Neark. Caps., p. 72, 1909, *Hyoidea.*
Localities: Colo., Utah.

a. var. **hirta** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 244, 1916.
Locality: Calif.

Genus **Atractotomus** Fieb.
Logotype *magnicornis* Fall.

Fieber, Wien. Ent. Monat., ii, p. 317, 1858.
Fieber, Europ. Hemip., pp. 77, 294, 1861.

Thomson, Opusc. Ent., iv, p. 445, 1871.
Reuter, Genera Cimic. Eur., p. 46, 1875.
Reuter, Rev. Crit. Caps., i, p. 98; ii, p. 156, 1875.
Reuter, Hemip. Gymn. Eur., i, p. 92, 1878; iii, p. 503, 1883.
Atkinson, Cat. Capsidae, p. 167, 1889.
Oshanin, Verz. Palae. Hemip., i, p. 914, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1247. **Atractotomus hesperius** Reut.

Reuter, Neark. Caps., p. 78, 1909.
Locality: Calif.

1248. **Atractotomus albidicoxis** Reut.

Reuter, Neark. Caps., p. 79, 1909.
Locality: Ariz.

Genus **Leucopoecila** Reut.
Haplotype *albofasciata* Reut.

Reuter, Of. Finska Vet. Soc. Forh., xlix, No. 5, p. 24, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1249. **Leucopoecila albofasciata** Reut.

Reuter, Of. Finska Vet. Soc. Forh., xlix, No. 5, p. 26, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 28, 1907.
Reuter, Neark. Caps., p. 83, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 31, 1914.
†*forticornis* Wirtner, Ann. Carn. Mus., iii, p. 202, 1904, *Rhinocloa*.
Localities: Pa., Fla., Calif. (West Indies.)

Genus **Myochroocoris** Reut.
Haplotype *griseolus* Reut.

Reuter, Neark. Caps., p. 77, 1909.

1250. **Myochroocoris griseolus** Reut.

Reuter, Neark. Caps., p. 77, 1909.
Locality: Texas.

Genus Atomoscelis Reut.
Logotype *onustus* Fieb.

Reuter, Genera Cimic. Eur., p. 57, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 100, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 67, 1878; ii, p. 298, 1879; iii, p. 502, 1883.
Reuter, Of. Finska Vet.-Soc. Forh., xliv, p. 61, 1902 (redescribed).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 123, 1906 (cites *onustus* as type).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 145, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1251. **Atomoscelis modestus** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 30, 1914, *Tuponia*.
Van Duzee, Pomona Jl. Ent. Zool., vii, p. 118, 1915 (notice).
Locality: Calif.

Genus **Europiella** Reut.
Orthotype *stigmosa* Uhl.

Reuter, Neark. Caps., p. 83, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1252. **Europiella stigmosa** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 379, 1893, *Agalliastes.*
Reuter, Neark. Caps., p. 84, 1909.
Localities: Colo., Utah, Nevada, Calif.

1253. **Europiella decolor** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 380, 1893, *Agalliastes.*
Gillette and Baker, Hemip. Colo., p. 54, 1895, *Agalliastes.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Agalliastes.*
Reuter, Neark. Caps., p. 81, 1909, *Plagiognathus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 29, 1914, *Plagiognathus.*
Localities: Kans., Colo., Utah, Nev., Calif.

1254. **Europiella concinna** Reut.

Reuter, Neark. Caps., p. 84, 1909.
Locality: Calif.

1255. **Europiella umbrina** Reut.

Reuter, Neark. Caps., p. 85, 1909.
[*biguttata* Uhl. MS] Reuter, Neark. Caps., p. 85, 1909 (synonym).
Locality: Calif.

1265. **Europiella rubida** (Uhl.)

Uhler, Hemip. Colo., p. 41, 1895, *Sthenarus.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907, *Sthenarus.*
Reuter, Neark. Caps., p. 85, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: N. Y., Fla., Ill., Kans., Colo., Texas.

Genus **Tuponia** Reut.
Logotype *lethierryi* Reut.

Reuter, Gen. Cimic. Eur., p. 53, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 98, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 16, 1878; iii, p. 499, 1883.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906 (names *lethierryi* type).
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1257. **Tuponia subnitida** Uhl.

Uhler, Hemip. Colo., p. 45, 1895.
Locality: Colo.

[**Tuponia herbacea** Uhl. MS]

Townsend, Can. Ent., xxiv, p. 194, 1892.
Locality: N. Mex.

Genus **Chlamydatus** Curt.
Haplotype *marginatus* Curt. = *saltitans* (Fall.)

Curtis, Ent. Mag., i, p. 197 (May), 1833.
Curtis, Brit. Ent., xv, pl. 693, 1838.
Reuter, Rev. d'Ent., v, p. 122, 1886.
Puton, Cat. Hemip. Palae., edn. 3, p. 62, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 137, 1887.

Berg, Nova Hemip., p. 99, 1892.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 123, 1906.
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 27, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 931, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

‖*Attus* Hahn, Wanz. Ins., i, p. 116, 1831 (haplotype *pulicarius* Fall.).
Burmeister, Handb. d. Ent., ii, p. 276, 1835.

Agalliastes Fieber, Wien. Ent. Zeit., ii, p. 321, 1858 (type *saltitans* Fall.).
Fieber, Europ. Hemip. pp. 74, 310, 1861.
Thomson, Opusc. Ent., iv, p. 449, 1871.
Reuter, Genera Cimic. Eur., p. 59, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 100; ii, p. 186, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 60, 1878; iii, p. 501, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 154, 1887.
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 27, 1908.

1258. **Chlamydatus pulicarius** (Fall.)

Fallén, Monog. Cimic. Suec., p. 95, 1807, *Lygaeus.*
Fallén, Hemip. Suec., Cimic., p. 113, 1829, *Phytocoris.*
Hahn, Wanz. Ins., i, p. 117, fig. 62, 1831, *Attus.*
Burmeister, Handb. d. Ent., ii, p. 277, 1835, *Attus.*
Meyer-Duer, Verz. Schw. Rhyn., p. 110, 1843, *Capsus.*
Sahlberg, Monog. Geoc. Fenn., p. 119, 1848, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 101, No. 149, 1855, *Capsus.*
Flor, Rhyn. Livl., i, p. 600, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 312, 1861, *Agalliastes.*
Fieber, Wien. Ent. Monat., viii, p. 229, 1864, *Agalliastes.*
Douglas and Scott, Brit. Hemip., p. 427, pl. 14, fig. 1, 1865, *Agalliastes.*
Thomson, Opusc. Ent., iv, p. 448, 1871, *Capsus.*
Walker, Cat. Heter., vi, p. 155, 1873, *Eurymerocoris.*
Reuter, Genera Cimic. Eur., p. 59, 1875, *Agalliastes.*
Reuter, Rev. Crit. Caps., ii, p. 186, 1875, *Agalliastes.*
Reuter, Hemip. Gymn. Eur., i, p. 60, pl. 3, fig. 8, 1878; iii, p. 510, 1883,
Van Duzee, Can. Ent., xix, p. 73, 1887, *Agalliastes.* [*Agalliastes.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.

saliens (Wolff), Icon. Cimic., v, p. 200, fig. 194, 1811, *Capsus.*
?pallipes (Jakowlev), Horae Soc. Ent. Ross., iv, p. 158, 1867, *Agalliastes.*
Localities: N. Y. (Europe.)

1259. **Chlamydatus suavis** (Reut.)

Reuter, Caps. Am. Bor., p. 92, 1876, *Agalliastes.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 152, 1906, *Agalliastes.*
Reuter, Neark. Caps., 83, 1909.
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905, *Agalliastes.*
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 30, 1914.

[*simplex* Uhl. MS] Popenoe, Trans. Kans. Acad. Sci., ix, p. 63, 1885,
Uhler, Proc. Ent. Soc. Wash., ii, p. 378, 1893, *Agalliastes.* [*Agalliastes.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Agalliastes.*
Localities: Ont., N. Y., Pa., D. C., Ala., Fla., Kans., Texas, Calif.

1260. **Chlamydatus associatus** (Uhl.)

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 419, 1872, *Agalliastes.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 319, 1876, *Agalliastes.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1328, *Agalliastes.*
Van Duzee, Can. Ent., xix, p. 73, 1887, *Agalliastes.*
Provancher, Pet. Faune Ent. Can., iii, p. 155, 1887, *Agalliastes.*
Van Duzee, Can. Ent., xxi, p. 5, 1889, *Agalliastes.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 123, 1892, *Agalliastes.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 379, 1893, *Agalliastes.*
Gillette and Baker, Hemip. Colo., p. 54, 1895, *Agalliastes.*
Osborn, Ohio Nat., i, p. 12, 1900, *Agalliastes.*
Slosson, Ent. News, xi, p. 323, 1900, *Agalliastes.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904, *Agalliastes.*
Wirtner, Ann. Carn. Mus., iii, p. 201, 1904.
Heidemann, Jl. N. Y. Ent. Soc., xiii, p. 50, 1905, *Agalliastes.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Agalliastes*
Tucker, Univ. Kans. Sci. Bul., iv, p. 58, 1907.
Reuter, Neark. Caps., p. 82, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 30, 1914.

Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Ohio, Ia., Colo., Utah, N. Mex., Texas, Calif.

1261. **Chlamydatus uniformis** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 379, 1893, *Agalliastes.*

Locality: Utah.

1262. **Chlamydatus luctuosus** Prov.

(Entered in Check List by error; see No. 1108.)

1263. **Chlamydatus apiatus** (Uhl.)

Uhler, Hemip. Colo., p. 53, 1895, *Agalliastes.*

Localities: Kans., Colo.

1264. **Chlamydatus fumidus** (Uhl.)

Uhler, Hemip. Colo., p. 54, 1895, *Agalliastes.*

Locality: Colo.

1265. **Chlamydatus obliquus** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 378, 1893, *Agalliastes.*
Reuter, Neark. Caps., p. 83, 1909.

Locality: Utah.

1266. **Chlamydatus bakeri** Bergr.

Bergroth, Wien. Ent. Zeit., xvii, p. 35, 1898.
‖*signatus* (Uhler), Hemip. Colo., p. 55, 1895, *Agalliastes.*
Crevecoeur, Trans. Kans. Acad. Sci., xix, p. 233, 1905, *Agalliastes.*
uhlerianus Kirkaldy, Can. Ent., xli, p. 390, 1909.

Locality: Colo.

Genus **Campylomma** Reut.
Logotype *nigronasuta* Reut.

Reuter, Hemip. Gymn. Eur., i, p. 52, 1878; iii, p. 501, 1883. [type).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 483, 1904 (names *nigronasuta* Reut.

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 123, 1906 (cites *nigronasuta* as
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916. [type).

1267. **Campylomma verbasci** (Mey.)

Meyer-Duer, Verz. Schw. Rhyn., p. 70, pl. 4, fig. 1, 1843, *Capsus.*
Fieber, Europ. Hemip., p. 311, 1861, *Agalliastes.*
Reuter, Hemip. Gymn. Eur., i, p. 53, pl. 3, fig. 6, 1878; iii, p. 509, 1883.
Uhler, Check List, p. 21, 1886, *Agalliastes.*
Van Duzee, Can. Ent., xix, p. 73, 1887, *Agalliastes.*
Provancher, Pet. Faune Ent. Can., iii, p. 155, 1887, *Agalliastes.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908.
Reuter, Neark. Caps., p. 81, 1909.
Van Duzee, Can. Ent., xliv, p. 323, 1912.
?punctipes Herrich-Schaeffer, Nomen. Ent., i, p. 50, 1835, *Capsus.*
pellucidus Garbiglietti, Bul. Soc. Ent. Ital., i, p. 190, 1869, *Orthotylus.*
Localities: Quebec, Ont., Me., N. Y. (Europe.)

Genus **Cylloceps** Uhl.
Haplotype *pellicia* Uhl.

Uhler, Proc. Ent. Soc. Lond. for 1893, p. 711.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 126, 1906.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 162, 1910.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1268. **Cylloceps pellicia** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 712.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Fla. (West Indies.)

Genus **Maurodactylus** Reut.
Logotype *nigricornis* Reut. = *albidus* Kol.

Reuter, Hemip. Gymn. Eur., i, p. 27, 1878; iii, p. 500, 1883.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906 (names *nigricornis* Reut.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916. [type).

1269. **Maurodactylus angulatus** Uhl.

Uhler, Hemip. Colo., p. 53, 1895.
Locality: Colo.

1270. **Maurodactylus consors** Uhl.

Uhler, Hemip. Colo., p. 53, 1895.
Locality: Colo.

1271. **Maurodactylus semiustus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 31, 1914.
Locality: Calif.

Genus **Rhinacloa** Reut.
Haplotype *forticornis* Reut.

Reuter, Caps. Am. Bor., p. 88, 1876.
Reuter, Neark. Caps., p. 81, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 216, 1916.

1272. **Rhinocloa forticornis** Reut.

Reuter, Caps. Am. Bor., p. 89, 1876.
Townsend, Can. Ent., xxiv, p. 194, 1892.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 274, 1894.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 196.
Reuter, Ann. k. k. Nat. Hofms. Wien, xxii, p. 178, 1907 (notice).
Reuter, Neark. Caps., p. 82, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 160, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 30, 1914.
Localities: Texas, N. Mex., Utah, Calif. (West Indies, Mexico.)

UNCERTAIN FORMS

Genus **Microsynamma** Fieb.
Type *scotti* Fieb. = *nigritulus* Zett.

Fieber, Wien. Ent. Monat., viii, p. 74, 1864.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 146, 1910.
Oshanin, Kat. Palae. Hemip., p. 83, 1912. [*scotti* Scott = *nigritula* Zett.).
Monosynamma Scott, Ent. Annual for 1864, p. 160, fig. 5 (Haplotype
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 123, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 934, 1909.
‖*Neocoris* Douglas and Scott, Brit. Hemip., p. 423, 1865 (Logotype *scotti*
Reuter, Genera Cimic. Eur., p. 58, 1875. [Fieb. = *nigritula* Zett.).
Reuter, Rev. Crit. Caps., i, p. 100; ii, p. 184, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., i, p. 55, 1878; iii, p. 502, 1884.
Puton, Cat. Hemip. Palae., edn. 3, p. 62, 1886.
Atkinson, Cat. Capsidae, p. 175, 1889.

Microsynamma bohemanni (Fall.)

Fallén, Hemip. Suec., Cimic., p. 106, 1829, *Phytocoris.*
Zetterstedt, Ins. Lapp., column 276, 1840, *Phytocoris.*
Flor, Rhyn. Livl., i, p. 625, 1860, *Capsus.*
Fieber, Europ. Hemip., p. 303, 1861, *Plagiognathus.*
Douglas and Scott, Brit. Hemip., p. 424, pl. 13, fig. 9, 1865, *Neocoris.*
Thomson, Opusc. Ent., iv, p. 448, 1871, *Capsus.*
Walker, Cat. Heter., vi, p. 150, 1873, *Eurymerocoris.*
Reuter, Genera Cimic. Eur., p. 58, 1875, *Neocoris.*
Reuter, Rev. Crit. Caps., ii, p. 184, 1875, *Neocoris.* [*Neocoris.*
Reuter, Hemip. Gymn. Eur., i, p. 57, 1878; ii, p. 303, 1879; iii, p. 509, 1883,
Saunders, Heter. Brit. Isds., pp. 319, 321, pl. 30, fig. 5, 1892, *Plagiognathus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 180, 1894, *Plagiognathus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 5, 1908, *Neocoris.*
ruficollis Fallén, Hemip. Suec. Cimic., p. 107, 1829, *Phytocoris.*
furcatus Herrich-Schaeffer, Nomen. Ent., i, p. 52, 1835, *Capsus.*
Herrich-Schaeffer, Wanz. Ins., iv, p. 79, figs. 408, 409, 1839, *Capsus.*
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 95, No. 134, 1855, *Capsus.*
Localities: N. Y.(?). (Europe.)

Capsus obscurellus Walk.

Walker, Cat. Heter., vi, p. 93, 1873.
Locality: "Hudson's Bay."

Capsus frontifer Walk.

Walker, Cat. Heter., vi, p. 94, 1873.
Locality: "N. Am."

Capsus pallescens Walk.

Walker, Cat. Heter., vi, p. 94, 1873.
Locality: "Hudson's Bay."

Family **ISOMETOPIDAE** Fieb.

Fieber, Wien. Ent. Monat., iv, p. 259, 1860.
Fieber, Europ. Hemip., pp. 26, 60, 237, 1861.
Reuter, Genera Cimic. Europ., p. 7, 1875, Div. *Isometoparia.*
Reuter, Rev. Crit. Caps., i, p. 65, 1875, Subfam. *Isometopina.*
Puton, Cat. Hemip. Palae., edn. 3, p. 63, 1886, Tribe *Isometopini.*
Atkinson, Cat. Capsidae, p. 180, 1889, Div. *Isometoparia.*
Distant, Fauna Brit. Ind., Rhyn., ii, p. 483, 1904, Subfam. *Isometopinae.*
Reuter, Festsch. f. Palmen, i, p. 12, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906, Subfam. *Isometopinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 51, 69, 104, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 20, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 53, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912. [(Tribe.)
Heidemanniini Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 145, 1906.

Genus **Myiomma** Put.
Type *fieberi* Put.

Puton, Pet. Nouv. Ent., i, p. 177, 1872.
Puton, Ann. Soc. Ent. Fr., ser. 5, iii, p. 20, 1873.
Reuter, Genera Cimic. Eur., p. 60, 1875.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906.
Horvath, Ann. Mus. Natl. Hung., vi, p. 9, 1908.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 27, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.
Heidemannia Uhler, Proc. Ent. Soc. Wash., ii, p. 119, 1891.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 145, 1906.

1273. **Myiomma cixiiformis** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 121, 1891, *Heidemannia.*
Banks, Ent. News, xviii, p. 425, 1907, *Heidemannia.*
Heidemann, Proc. Ent. Soc. Wash., ix, p. 128, 1908, *Heidemannia.*
Localities: Md., D. C., Va.

Genus **Isometopus** Fieb.
Type *intrusus* H. S.

Fieber, Wien. Ent. Monat., iv, p. 259, 1860.
Fieber, Europ. Hemip., pp. 66, 237, 1861.
Reuter, Genera Cimic. Europ., p. 61, 1875.
Distant, Fauna Brit. Ind., Rhyn., ii, p. 484, 1904 (names *intrusus* type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 122, 1906.
Cephalocoris Stein, Berl. Ent. Zeit., iv, p. 79, 1860.

1274. **Isometopus pulchellus** Heid.

Heidemann, Proc. Ent. Soc. Wash., ix, p. 128, fig. 7a, 1908.
Localities: N. Y., W. Va., Va.

1275. **Isometopus signatus** Heid.

Heidemann, Proc. Ent. Soc. Wash., ix, p. 129, fig. 7b, 1908.
Locality: Texas.

1276. **Isometopus unicolor** Heid.

Heidemann, Proc. Ent. Soc. Wash., ix, p. 130, figs. 7c, d, 1908.
Locality: Ariz.

SERIES *TRICHOTELOCERA* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 67, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.

Superfamily DIPSOCOROIDEAE Reut.

Reuter, Acta Soc. Sci. Fenn., xxvii, No. 3, p. 67, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.
Ceratocombidae Fieber, Europ. Hemip., pp. 25, 39, 142, 1861. [(Subfam.)
Reuter, Of. Vet. Akad. Forh., xxviii, p. 405, 1871, *Ceratocombina.*
Stål, Enum. Hemip., iii, p. 103, 1873, *Ceratocombina.* (Subfam. of [*Cimicidae.*)
Puton, Cat. Hémip. Palae., edn. 3, p. 42, 1886, *Ceratocombini.* (Tribe.)
Ashmead, Ent. Am., iv, p. 68, 1888 (*Ceratocampidae* by error).
Reuter, Acta Soc. Sci., Fenn., xix, No. 6, p. 3, 1891.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 231, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 335, 1900.
Distant, Fauna Br. Ind., Rhyn., ii, p. 408, 1904. (Family.)
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 147, 1906.

Family **DIPSOCORIDAE** Dohrn

Dohrn, Cat. Hemip., p. 36, 1859.
Kirkaldy, Can. Ent., xxxviii, p. 375, 1906; xl, p. 361, 1908.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 68, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 21, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 52, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912. [subfamily).
Ceratocombina Reut., Acta Soc. Sci. Fenn., xix, No. 6, p. 3, 1891 (as
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 231, 1896, Subfam. [*Ceratocombidae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 408, 1904, Subfam. *Cerato-* [*combinae.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 147, 1906, Subfam. *Cerato-*
Bergroth, Wien. Ent. Zeit., xxxi, p. 164, 1912. [*combinae.*

Genus **Ceratocombus** Sign.
Haplotype *mulsanti* Sign. = *coleoptratus* Zett.

Signoret, Ann. Soc. Ent. Fr., ser. 4, x, p. 542, 1852.
Fieber, Wien. Ent. Monat., iv, p. 267, 1860.
Fieber, Europ. Hemip. pp. 39, 142, 1861.
Reuter, Acta Soc. Sci. Fenn., xix, No. 6, p. 4, 1891.
Champion, Biol. Centr. Am., Heter., ii, p. 336, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 147, 1906.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 65, 1912.
Lichenobia Baerensprung, Berl. Ent. Zeit., i, p. 165, 1857 (type *ferru-*[*ginea* Baer.).
Xylonannus Reuter, Acta Soc. Sci. Fenn., xix, No. 6, p. 8, 1891 (type [*corticalis* Reut.).

1277. **Ceratocombus(?) brasiliensis** Reut.
Reuter, Acta Soc. Sci. Fenn., xix, No. 6, p. 7, 1891.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 196.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904.
Localities: Fla.(?), N. Mex.(?). (Brazil.)

1278. **Ceratocombus niger** Uhl.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 361, 1904.
Locality: N. Mex.

1279. **Ceratocombus latipennis** Uhl.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 362, 1904.
Locality: N. Mex.

Family SCHIZOPTERIDAE Reut.

Reuter, Acta Soc. Sci. Fenn., xix, No. 6, p. 3, 1891, Subfam. *Schizopterina.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 233, 1896, Subfam. [*Schizopteridae.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 148, 1906, Subfam. *Schizopterinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 68, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 21, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 52, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.

Genus **Glyptocombus** Heid.
Haplotype *saltator* Heid.

Heidemann, Proc. Ent. Soc. Wash., vii, p. 192, 1906
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 66, 1912.

1280. **Glyptocombus saltator** Heid.
Heidemann, Proc. Ent. Soc. Wash., vii, p. 194, 1906.
Horvath, Ann. Mus. Natl. Hung., vi, p. 565, 1908, *Hypselosoma.*
Locality: Md.

SERIES *HYDROBIOTICA* Reut.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 56, 60, 1910.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 6, pp. 14, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.

Superfamily GERROIDEAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815, *Gerridae.*
Spinola, Tavola Sinot., pp. 38, 42, 1850, Subfam. *Gerroideae.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906 (as family).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 204, 1909 (as family).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 65, 1910.
Reuter, Of. Finska Vet.-Soc. Forh., liv, Afd. A, No. 6, pp. 15, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.

Ploteres Latreille, Hist. Nat. Crust. Ins., xii, p. 263, 1804.
Latreille, Genera Crust. Ins., iii, p. 130, 1807.
Latreille, Fam. Nat. Règne Anim., p. 424, 1825.
Amyot and Serville, Hémip., pp. 1, 409, 1843. (French *Rameurs.*)
Dohrn, Cat. Hemip., p. 53, 1859.

Amphibicorises Dufour, Rech. Anat. Phys. Hemip., p. , 1833.
Spinola, Essai sur les Hémip., p. 63, 1837 (1840), *Amphibicoryzes.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 64, 1853, *Amphibicores.*

Hydrometrites Laporte, Essai Classif. Syst. Hemip., p. 22, 1832.
Burmeister, Handb. d. Ent., ii, p. 206, 1835, *Hydrodromici.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 467; Synop., p. 119, 1840,
Fieber, Genera Hydroc., p. 9, 1851, *Hydrodromica.* [*Hydrometridae.*
Flor, Rhyn. Livl., i, p. 725, 1860, *Hydrodromica.*
Fieber, Europ. Hemip., p. 22, 1860, *Hydrodromica.*
Douglas and Scott, Brit. Hemip., pp. 11, 40, 557, 1865, *Hydrodromica.*
Provancher, Pet. Faune Ent. Can., iii, p. 192, 1888, *Hydrometrides.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 53, 1896, *Hydrometridae.*
Champion, Biol. Centr. Am., Heter., ii, p. 124, 1898, *Hydrometridae.*
Van Duzee, Check List Hemip., p. 48, 1916, *Hydrometroidea.*

Veliens Brullé, Hist. Nat. des Ins., ix, p. 285, 1835.
Blanchard, Hist. des Ins., Hémip., p. 95, 1840.

PHALANX *HYDROMETRAEFORMES* Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 17, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 85, 1912.

Family HYDROMETRIDAE (Billb.)

Billberg, Enum. Ins. Mus. Billb., p. 67, 1820, *Hydrometrides.*
Stephens, Syst. Cat. Brit. Ins., ii, p. 352, 1829.
Costa, Cimic. Reg. Neap., Cent. i, p. 11, 1838, *Hydrometrini.*
Spinola, Tavola Sinot., pp. 44, 45, 1850, Subfam. *Hydrometroideae.*
Amyot and Serville, Hémip., pp. xlix, 398, 1843, Groupe *Hydrometrides.*
Stål, Hemip. Afr., iii, p. 166, 1865, *Hydrometrida.*
Schiodte, Nat. Tidskr., Ser. 3, vi, p. 266, 1869, *Hydrometrae.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 705, 1870, *Hydrometrina.*
Uhler, Stand. Nat. Hist., ii, p. 275, 1884, *Hydrometridae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 36, 1886, Tribe *Hydrometrini* (part).
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 54, 1896 (as subfamily).
Champion, Biol. Centr. Am., Heter., ii, p. 124, 1898, Subfam. *Hydrometrinae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 170, 1904, Subfam. *Hydrometrinae.*

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906, Subfam. *Hydrometrinae.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 213, 1908, Subfam. *Hydro-*
Horvath, Ann. Mus. Natl. Hung., ix, p. 22, 1911, *Hydrometridae.* [*metrinae.*
Limnobatidea Fieber, Genera Hydroc., p. 9, 1851.
Fieber, Europ. Hemip., pp. 23, 103, 1861, *Limnobatidae.*
Douglas and Scott, Brit. Hemip., p. 575, 1865, *Limnobatidae.*
Uhler, Check List, p. 26, 1886, *Limnobatidae.*

Genus **Hydrometra** Lam.
Logotype *stagnorum* Linn.

Latreille, Précis, p. 86, 1796 (invalid here).
Lamarck, Syst. Anim. s. Vert., p. 295, 1801 (valid here).
Latreille, Hist. Nat. Crust. Ins., iii, p. 250, 1802 (names *stagnorum* example).
Walckenaer, Fauna Paris., ii, p. 350, 1802 (part).
Latreille, Hist. Nat. Crust. Ins., xii, p. 267, 1804 (gives *stagnorum* as example).
Latreille, Genera Crust. Ins., iii, p. 131, 1807 (mentions *stagnorum* only).
Latreille, Consid. Génl., p. 434, 1810 (names *stagnorum* type).
Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815 (for *stagnorum*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 511, 1816.
Latreille, Fam. Nat. Règne. Anim., p. 424, 1825 (no species mentioned).
Laporte, Essai Classif. Syst. Hémip., p. 22, 1832 (names *stagnorum* type).
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 63, 1835 (*stagnorum* only species).
Brullé, Hist. Nat. des Ins., ix, p. 303, 1835 (*stagnorum* only species).
Spinola, Essai sur les Hémip., p. 63, 1837.
Blanchard, Hist. Nat. des Ins., Hémip., p. 98, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (cites *stagnorum*
Amyot and Serville, Hémip., p. 398, 1843. [as type).
Spinola, Tavola Sinot, p. 45, 1850.
Stål, Hemip. Afr., iii, p. 166, 1865.
Champion, Biol. Centr. Am., Heter., ii, p. 124, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 170, 1904.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 213, 1908.
Limnobates Burmeister, Handb. d. Ent., ii, p. 210, 1835 (type *stagnorum*).
Herrich-Schaeffer, Wanz. Ins., ix, p. 118, 1853 (*stagnorum* only species).
Fieber, Europ. Hemip., pp. 32, 103, 1861.
Douglas and Scott, Brit. Hemip., p. 575, 1865.
Uhler, Check List, p. 26, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 193, 1888.

1281. **Hydrometra martini** Kirk.

Kirkaldy, Entomologist xxxiii, p. 175, 1900 (n.n. for *lineata* Say).
Bueno, Ent. News, xxxvii, p. 12, 1905.
Bueno, Jl. N. Y. Ent. Soc., iii, p. 39, 1905; xvi, p. 234, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Parshley, Psyche, xxi, p. 143, 1914.
‖*lineata* Say, Heter. N. Harm., p. 35, 1832; Fitch reprint, p. 806; Compl.
Uhler, Stand. Nat. Hist., ii, p. 276, 1884. [Writ., i, p. 361.
Provancher, Pet. Faune Ent. Can., iii, p. 193, 1898, *Limnobates.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 288, 1894, *Limnobates.*
Kirkaldy, Entomologist, xxxi, p. 2, 1898.

Martin, Can. Ent., xxxii, p. 70, pl. 3, 1900.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 180, 1906.
Localities: Ont., Me., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Ind., Ill., La., Texas, Ariz.

1282. **Hydrometra australis** Say

Say, Heter. N. Harm., p. 35, 1832; Fitch reprint, p. 806; Compl. Writ., i, p. [361
Bueno, Can. Ent., xxxvii, pp. 15, 264, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Ga., Fla., La.

PHALANX *GERRIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 66, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 17, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 86, 1912.

Family GERRIDAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. 1, 410, 1843, Groupe *Gerrides.*
Dohrn, Cat. Hemip., p. 53, 1859, *Gerridae.*
Puton, Synop. Heter. Fr., i, p. 152, 1879, Tribe *Gerridini.*
Reuter, Ent. Tidskr., iii, p. 165, 1882, Subfam. *Gerridina.*
Puton, Cat. Hémip. Palae., edn. 3, p. 36, 1886, Tribe *Gerridini.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 59, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 144, 1898, Subfam. *Gerrinae.*
Bergroth, Ent. Mo. Mag., ser. 2, xiii, p. 258, 1902.
Distant, Fauna Br. Ind., Rhyn., ii, pp. 168, 175, 1903.
Horvath, Ann. Mus. Natl. Hung., ii, p. 576, 1904, *Gerrididae.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906, Subfam. *Gerrinae.*
Bergroth, Wien. Ent. Zeit., xxv, p. 6, 1906.
Kirkaldy, Can. Ent., xl, p. 360, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 490, 1908, Subfam. *Gerridina.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 208, 1908, Subfam. *Gerrinae.*
Reuter, Acta Soc. Sci. Fenn., xxxvii, pp. 66, 81, 1910.
Distant, Fauna Br. Ind., Rhyn., v, p. 141, 1910, Subfam. *Gerrinae.*
Banks, Cat. Nearc. Hemip., p. 26, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 23, 1911.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911, Subfam. *Gerrinae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 16, 48, 54, 1912.
Oshanin, Kat. Palae. Hemip., p. 86, 1912.

Hydrometridea Fieber, Genera Hydroc., p. 9, 1851.
Fieber, Europ. Hemip., pp. 24, 33, 106, 1861, *Hydrometrae.*
Hydrobatida Stål, Hemip. Afr., iii, p. 168, 1865.
Stål, Of. Vet. Akad. Forh., xxv, p. 395, 1868.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 169, 1868.
Stål, Of. Vet. Akad. Forh., xxvii, p. 705, 1870, *Hydrobatina.*
Berg, Hemip. Argent., p. 182, 1879, *Hydrobatina.*
Uhler, Stand. Nat. Hist., ii, p. 267, 1884, *Hydrobatidae.*
Uhler, Check List, p. 26, 1886, *Hydrobatidae.*

Subfamily GERRINAE Bian.

Bianchi, Ann. Mus. Petersb. for 1896, p. 69.
Kirkaldy, Ann. Soc. Ent. Belg., xliii, p. 509, 1899, *Gerritae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 176, 1903; v, p. 141, 1910, Div. *Gerri-*
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911, Tribe *Gerrini.* [*naria.*

Genus **Gerris** Fabr.
Logotype *lacustris* Linn.

Fabricius, Ent. Syst., iv, p. 187, 1794 (indicates *lacustris* as typical).
Latreille, Précis, p. 85, 1796 (no species mentioned). [example).
Latreille, Hist. Nat. Crust. Ins., iii, p. 250, 1802 (gives *lacustris* as only
Latreille, Hist. Nat. Crust. Ins., xii, p. 271, 1804 (*lacustris* and two others).
Latreille, Genera Crust. Ins., iii, p. 133, 1807.
Fallén, Monog. Cimic. Suec., p. 114, 1807 (includes *lacustris*).
Latreille, Consid. Génl., pp. 259, 434, 1810 (names *lacustris* type, valid).
Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815 (for *paludum*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 513, 1816.
Latreille, Fam. Nat. Règne Anim., p. 424, 1825.
Le Peletier and Serville, Encyc. Méth., x, p. 265, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 23, 1832 (names two types).
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 62, 99, 1835.
Brullé, Hist. Nat. de Ins., ix, p. 297, 1835.
Spinola, Essai sur les Hémip., p. 64, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 97, 1840. [type.
Westwood, Intr. Mod. Classif. Ins., Synop., p. 119, 1840 (cites *lacustris* as
Amyot and Serville, Hémip., p. 414, 1843.
Spinola, Tavola Sinot, p. 42, 1850.
Provancher, Pet. Faune Ent. Can., iii, p. 193, 1888.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 59, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 144, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 176, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 490, 1908.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 208, 1908.
Banks, Cat. Nearc. Hemip., p. 26, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911.
Hydrometra Lamarck, Syst. Anim. s. Vert., p. 295, 1801 (in part).
Walckenaer, Fauna Paris., ii, p. 350, 1802 (in part).
Fabricius, Syst. Rhyng., p. 256, 1803 (in part).
Burmeister, Handb. d. Ent., ii, p. 210, 1835.
Herrich-Schaeffer, Wanz. Ins., ix, p. 66, 1853.
Flor, Rhyn. Livl., i, p. 727, 1860.
Fieber, Europ. Hemip., p. 106, 1861.
Douglas and Scott, Brit. Hemip., p. 587, 1865.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 169, 1868.

Subgenus **Aquarius** Schell
Type *paludum* Schell. = *najas* De Geer

Schellenberg, Gesc. Land-u. Wass. Wanz., p. 25, 1800.
Kirkaldy, Entomol., xxxiv, p. 263, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906.

Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911.
Hygrotrechus Stål, Of. Vet. Akad. Forh., xxv, p. 395, 1868 (type *najas* De G.).
Puton, Synop. Heter. Fr., i, p. 154, 1879.
Uhler, Stand. Nat. Hist., ii, p. 267, 1884.

1283. **Gerris remigis** Say

Say, Heter. N. Harm., p. 35, 1832; Fitch reprint, p. 806; Compl. Writ., i, p. 362.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 422, 1872, *Hygrotrechus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 335, 1876; iii, p. 453, 1877, *Hygro-*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1331, *Hygrotrechus.* [*trechus*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 435, 1878, *Hygrotrechus.*
Uhler, Stand. Nat. Hist., ii, p. 267, fig. 322, 1884, *Hygrotrechus.*
Provancher, Pet. Faune Ent. Can., iii, p. 195, 1888.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894, *Hygrotrechus.*
Gillette and Baker, Hemip. Colo., p. 60, 1895, *Hygrotrechus.*
Champion, Biol. Centr. Am., Heter., ii, p. 145, 1898.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Hygrotrechus.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 233, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 246, 1911.
†*aptera* Walker, Cat. Heter., viii, p. 165, 1873.
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Pa., Md., N. C., Ga., La., Mich., Ill., Colo., Texas, N. Mex., Ariz., Calif., Ore. (Mexico, Centr. Am.)

1284. **Gerris orba** Stål

Stål, Freg. Eugen. Resa, Ins., p. 264, 1859.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914, *Hygrotrechus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech Bul., i, p. 235, 1916.
Localities: Calif. Ore., Nev.

1285. **Gerris conformis** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 435, 1878, *Hygrotrechus.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905; xvi, p. 233, 1908; xviii, p. 31,
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910. [1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 247, 1911.
Parshley, Psyche, xxi, p. 144, 1914.
Localities: Me., Mass., N. Y., N. J., Md., N. C. (Mexico.)

1286. **Gerris robusta** (Uhl.)

Uhler, Am. Jl. Sci., ser. 3, i, p. 105, 1871, *Hygrotrechus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 288, 1894, *Hygrotrechus.*
?Champion, Biol. Centr. Am., Heter., ii, p. 146, 1898.
Bueno, Ent. News, xxiv, p. 21, 1913.
Localities: Calif. (Mexico.)

Subgenus **Gerris** Fabr.

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911.
Limnotrechus Stål, Of. Vet. Akad. Forh., xxvii, p. 395, 1868.
Uhler, Stand. Nat. Hist., ii, p. 268, 1884.
Uhler, Check List, p. 26, 1886.
Puton, Cat. Hémip. Palae., p. 37, 1886.

1287. **Gerris gillettei** Leth. & Serv.

Lethierry and Severin, Cat. Génl. Hémip., iii, p. 60, 1896 (n.n. for *productus* Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 209, 1908. [Uhl.).
Bueno, Ent. News, xxiv, p. 21, 1913.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
‖*productus* Uhler, Hemip. Colo., p. 61, 1895, *Limnotrechus*.
Localities: Colo., Utah, Mont., Calif.

1288. **Gerris marginatus** Say

Say, Heter. N. Harm., p. 36, 1832; Fitch reprint, p. 807; Compl. Writ., i, p. 362.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 423, 1872, *Limnotrechus*.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 453, 1877; iv, p. 508, 1878, *Limno-*
Uhler, Proc. Bost. Soc. Nat. Hist., ii, p. 268, 1884, *Limnotrechus*. [*trechus*.
Provancher, Pet. Faune Ent. Can., iii, p. 195, 1888.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894, *Limnotrechus*.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905; xvi, p. 233, 1908.
Bueno, Can. Ent., xlii, p. 150, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 247, 1911.
Weiss, Can. Ent., xlvi, p. 33, 1914 (tropisms).
??*lacustris* Kirby, Richardson's Fauna Bor. Am., iv, p. 283, 1837.
Kirby *in* Bethune's Reprint, p. 138.
Localities: Quebec, Ont., Me., Mass., Conn., N. Y., N. J., D. C., Va., N. C., Ohio, Mich., Ill., Mo., Ia., Kan., Colo., Manitoba, Calif., Ore.

1288½. **Gerris argenticollis** Parsh.

Parshley, Ent. News, xxvii, p. 103, 1916.
Localities: Mass., S. C.

1289. **Gerris buenoi** Kirk.

Kirkaldy, Ent. News, xxii, p. 246, 1911.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 248, 1911.
Parshley, Psyche, xxi, p. 144, 1914.
??*canaliculatus* Provancher, Pet. Faune Ent. Can., iii, p. 196, 1888.
Van Duzee, Can. Ent., xliv, p. 324, 1912.
[*sulcatus* Uhl. MS] Bueno, Jl. N. Y. Ent. Soc., xiii, p. 40, 1905.
Localities: Quebec, Me., N. J., Colo., Manitoba.

1290. **Gerris canaliculatus** Say

Say, Heter. N. Harm., p. 36, 1832; Fitch reprint, p. 807; Compl. Writ., i, p
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 41, 1905; xvi, p. 233, 1908. [363
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 248, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: R. I., N. Y., N. J., N. C., Ga., Fla.

Genus **Limnoporus** Stål
Haplotype *rufoscutellatus* Latr.

Stål, Of. Vet. Akad. Forh., xxvii, pp. 395, 396, 1868 (as genus).
Puton, Synop. Heter. Fr., i, p. 153, 1879 (as genus).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 209, 1908 (as genus).
Bergroth, Proc. U. S. Natl. Mus., li, p. 237, 1916.

1291. **Limnoporus rufoscutellatus** Latr.

Latreille, Genera Crust. Ins., iii, p. 134, 1807.
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 514, 1816.
Le Peletier and Serville, Encyc. Méth. x, p. 266, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 23, 1832.
Schummel, Ploteres, p. 32, 1832.
Herrich-Schaeffer, Nomen. Ent., i, p. 62, 1835. [p. 138.
Kirby *in* Richardson, Fauna Bor. Am., iv, p. 282, 1837; Bethune's reprint,
Herrich-Schaeffer, Wanz. Ins., ix, pp. 67, 69, fig. 924, 1853, *Hydrometra.*
Flor, Rhyn. Livl., i, p. 736, 1860, *Hydrometra.*
Fieber, Europ. Hemip., p. 106, 1861, *Hydrometra.*
Stål, Of. Vet. Akad. Forh., xxv, p. 396, 1868.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 335, 1876; iii, p. 453, 1877; iv, p.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 437, 1878. [508, 1878.
Reuter, Revue Synon., p. 362, No. 334, 1888.
Provancher, Pet. Faune Ent. Can., iii, p. 195, 1888.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 41, 1905; xvi, p. 233, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910.

Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., Mich., Ill., Wisc., Dak., Colo., Ariz., Br. Col.

Genus **Tenagogonus** Stål
Haplotype *albovittatus* Stål

Stål, Of. Vet. Akad. Forh., x, p. 263, 1853 (*nomen nudum*).
Stål, Of. Vet. Akad. Forh., xii, p. 45, 1855.
Stål, Hemip. Afr., iii, p. 168, 1865.
Bergroth, Zool. Med., Rijks Mus. Nat. Hist., Leiden, i, p. 123, 1915.
Limnometra Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 443, 1865.
Mayr, Reise Freg. Novara, Zool., ii, p. 174, 1868.
Champion, Biol. Centr. Am., Heter., ii, p. 150, 1898.
Limnogonus Stål, Hemip. Fabr., i, p. 132, 1868 (logotype *hyalinus*).
Champion, Biol. Centr. Am., Heter., ii, p. 151, 1898.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906 (subgenus).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 210, 1908.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911 (subgenus).
Lamprotrechus Reuter, Of. Finska Vet. Soc. Forh., xxv, p. 40, 1882 (type [*leptocera* Reut.).

1292. **Tenagogonus hyalinus** (Fabr.)

Fabricius, Syst. Rhyng., p. 258, 1803, *Hydrometra.*
Stål, Hemip. Fabr., i, p. 133, 1868 (redescribed).
Champion, Biol. Centr. Am., Heter., ii, p. 153, pl. 9, fig. 18, 1898.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 245, 1911.

Localities: Fla. (Neotropical.)

1293. **Tenagogonus franciscanus** Stål

Stål, Freg. Eugen. Resa, Ins., p. 265, 1859.
Stål, Hemip. Fabr., i, p. 133, 1868.

Locality: Calif.

1294. **Tenagogonus hesione** Kirk.

Kirkaldy, Entomologist, xxxv, p. 137, 1902.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: Ohio, Fla.

Subfamily HALOBATINAE Bian.

Bianchi, Ann. Mus. Petersb. for 1896, p. 69.
Kirkaldy, Ann. Soc. Ent. Belg., xliii, p. 509, 1899, *Halobatitae.*
Distant, Fauna Br. Ind., Rhyn., ii, p. 186, 1903, Div. *Halobatinaria.*
Bergroth, Ohio Nat., viii, p. 371, 1908.
Bueno, Trans. Am. Ent. Soc., xxxvii, pp. 244, 249, 1911.

Genus **Metrobates** Uhl.
Haplotype *hesperius* Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 108, 1871; xix, p. 437, 1878.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 155, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 210, 1908.
Bueno, Trans. Am. Ent. Soc., xxxvii, pp. 246, 249, 1911.

1295. **Metrobates hesperius** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 109, 1871; xix, p. 438, 1878.
Uhler, Stand. Nat. Hist., ii, p. 271, 1884.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 41, 1905.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 249, 1911.
Bueno, Can. Ent., xliii, p. 228, 1911.
Parshley, Psyche, xxi, p. 144, 1914.
Localities: Ont., Me., Mass., N. Y., Md., N. C., S. C.

Genus **Trepobates** Uhl.
Orthotype *pictus* (H. S.)

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 213 (n.n. for *Stephania* White, with
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906. [characters).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 212, 1908.
Bergroth, Ohio Nat., viii, p. 373, 1908.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 245, 1911. [type *pictus* H. S.).
‖*Stephania* White, Challenger Rept., Zool., vii, pt. 19, p. 79, 1883 (ortho-
Halobatopsis Bianchi, Ann. Mus. Petersb., i, p. 70, 1896 (type *platensis*
[Berg.).

1296. **Trepobates pictus** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 111, figs. 882, 883, 1848, *Halobates.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 437, 1878, *Halobates.*
B. White, Challenger Rept., Zool., vii, pt. 19, p. 79, 1883, *Stephania.*
Uhler, Stand. Nat. Hist., ii, p. 270, 1884, *Stephania.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 213.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 41, 1905; xvi, p. 234, 1908.
Bergroth, Ohio Nat. viii, p. 372, 1908.
Bueno, Ohio Nat., ix, p. 389, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 151, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 251, 1911.

Parshley, Psyche, xxi, p. 144, 1914.
beginii Ashmead, Can. Ent., xxix, p. 56, 1897, *Halobatopsis* (part).
Localities: Me., Mass., N. Y., N. J., Pa., Md., Va., N. C., Fla., La., Ohio, Ill., Tenn., Ariz.

Genus **Rheumatobates** Bergr.
Haplotype *rileyi* Bergr.

Bergroth, Insect Life, iv, p. 321, 1892 (without description).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 212, 1908.
Bergroth, Ohio Nat., viii, p. 379, 1908.
Bueno, Trans. Am. Ent. Soc., xxxviii, pp. 245, 246, 1911.
Hymenobates Uhler, Proc. Zool. Soc. Lond. for 1894, p. 214.

1297. **Rheumatobates rileyi** Bergr.

Zabriski, Jl. N. Y. Micros. Soc., vii, p. 128, 1891 (as unknown water-bug).
(Anonymous), Insect Life, iv, p. 198, 1892 (description and figure without
Bergroth, Insect Life, iv, p. 321, 1892 (n.n. for preceding reference). [name).
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 41, 1905; xvi, p. 234, 1908.
Bergroth, Ohio Nat., viii, p. 381, 1908.
Bueno, Ohio Nat., ix, p. 390, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 152, 1910.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 250, 1911.
Bueno, Can. Ent., xliii, p. 228, 1911.
Bueno, Can. Ent., xliv, p. 212, 1912.
beginii Ashmead, Can. Ent., xxix, p. 56, 1897, *Halobatopsis* (part).
Localities: N. Y., N. J., D. C.

1298. **Rheumatobates tenuipes** Minert

Minert, Ent. Medd., v, p. 7, 1895.
Bergroth, Ohio Nat., viii, p. 381, 1908.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 250, 1911.
Locality: D. C.

1298½. **Rheumatobates trulliger** Bergr.

Bergroth, Bul. Brookl. Ent. Soc., x, p. 63, 1915.
Locality: Ga.

Genus **Halobates** Eschs.
Logotype *micans* Eschs.

Eschscholtz, Entomographien, p. 106, 1822; Nat. Abh. Dorpat, i, p. 162, 1823.
Laporte, Essai Classif. Syst. Hémip., p. 24, 1832 (names *micans* type).
Burmeister, Handb. d. Ent., ii, p. 208, 1835.
Spinola, Essai sur les Hémip., p. 63, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 98, 1840.
Amyot and Serville, Hémip., p. 411, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 108, 1848.
Spinola, Tavola Sinot., p. 42, 1850.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 169, 1868.
B. White, Challenger Repts., Zool., vii, pt. 19, p. 23, 1883.
Uhler, Stand. Nat. Hist., ii, p. 269, 1884.
Distant, Fauna Br. Ind., Rhyn., ii, p. 186, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 156, 1906.

1299. **Halobates micans** Eschs.

Eschscholtz, Entomographien, p. 107, 1822; Nat. Abh. Dorpat, i, p. 163, pl. 2, fig. 3, 1823.
Laporte, Essai Classif. Syst. Hémip., p. 24, 1832.
Burmeister, Handb. d. Ent., ii, p. 208, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 98, 1840.
Herrich-Schaeffer, Wanz. Ins., viii, p. 110, 1848.
Frauenfeld, Verh. Zool.-Bot. Ges. Wien, xvii, p. 458, pl. 12, fig. 5, 1867.
B. White, Challenger Rept., Zool., vii, pt. 19, p. 43, pl. 1, fig. 2, 1883.
Bueno, Trans. Am. Ent. Soc., p. 251, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: Fla. (Tropical oceans.)

1300. **Halobates sericeus** Eschs.

Eschscholtz, Entomographien, p. 108, 1822; Nat. Abh. Dorpat, i, p. 163, pl. 2, fig. 4, 1823.
Burmeister, Handb. d. Ent., ii, p. 209, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 98, 1840.
Amyot and Serville, Hémip., p. 412, 1843.
Herrich-Schaeffer, Wanz. Ins., viii, p. 110, figs. 880, 881, 1848.
B. White, Challenger Rept., Zool., vii, pt. 19, p. 47, pl. 1, fig. 7, 1883.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 213, 1908.
Localities: Calif. (Pacific Ocean.)

Family VELIIDAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. 1, 418, 1843, Groupe *Velides*.
Dohrn, Cat. Hemip., p. 53, 1859, *Velidae*.
Stål, Hemip. Afr., iii, p. 167, 1865, *Veliida*.
Douglas and Scott, Brit. Hemip., pp. 42, 569, 1865, *Veliidae*.
Stål, Of. Vet. Akad. Forh., xxvii, p. 705, 1870, *Veliina*.
Uhler, Stand. Nat. Hist., ii, p. 271, 1884.
Berg, Hemip. Argent. Add., p. 117, 1884, Subfam. *Veliina*.
Uhler, Check List, p. 27, 1886.
Puton, Cat. Hémip. Palae., p. 36, 1886, Tribe *Veliini*.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 55, 1896, Subfam. *Velidae*.
Champion, Biol. Centr. Am., Heter., ii, p. 126, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 171, 1903, Subfam. *Veliinae*.
Bergroth, Wien. Ent. Zeit., xxv, p. 7, 1906, *Veliadae*.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906. [*Veliinae*.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 204, 1908, Subfam.
Oshanin, Verz. Palae. Hemip., i, p. 487, 1908, Subfam. *Veliina*.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 66, 81, 1910, *Veliadae*.
Bueno, Trans. Am. Ent. Soc., xxxvii, p. 244, 1911, Subfam. *Veliinae*.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 54, 1912.
Oshanin, Kat. Palae. Hemip., p. 87, 1912.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 52, 1916.
Hydroessae Fieber, Europ. Hemip., pp. 23, 33, 104, 1861.

Genus **Microvelia** Westw.
Logotype *pygmaea* (Duf.)

Westwood, Ann. Soc. Ent. Fr., iii, p. 647, 1834 (for *pygmaea* and *pulchella*).
Brullé, Hist. Nat. des Ins., ix, p. 295, 1835.

Blanchard, Hist. Nat. des Ins., Hémip., p. 96, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (names *pygmaea*
Amyot and Serville, Hémip., p. 421, 1843. [type).
Spinola, Tavola Sinot., p. 43, 1850.
Douglas and Scott, Brit. Hemip., p. 573, 1865.
Uhler, Stand. Nat. Hist., ii, p. 275, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 126, 1898.
Distant, Fauna Br. Ind., Rhyn., ii, p. 174, 1903 (names *pulchella* pseudotype).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906 (cites *pygmaea* as type).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 207, 1908.
Bueno, Can. Ent., xlii, p. 1910.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 56, 1916.
Hydroëssa Burmeister, Handb. d. Ent., ii, p. 213, 1835 (logotype *reticulata*
Flor, Rhyn. Livl., i, p. 747, 1860. [Burm. = *pygmaea* Duf.).
Fieber, Europ. Hemip., pp. 33, 104, 1861.
Herrich-Schaeffer, Wanz. Ins., vi, p. 37, 1842; ix, p. 78, 1853.
Stål, Hemip. Afr., iii, p. 167, 1865. [Auct.).
Veliomorpha Carlini, Ann. Mus. Genova, xxxv, p. 120, 1895 (type *maculata*

Subgenus **Microvelia** Westw.

Bueno, Can. Ent., xlii, p. 186, 1910.

1301. **Microvelia signata** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 288, 1894.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 208, 1908.
Localities: Calif., Colo.(?). (Mexico.)

1302. **Microvelia marginata** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1893, p. 719; for 1894, p. 219.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 207, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: N. J., Md., Fla., Calif. (Neotropical.)

1303. **Microvelia borealis** Bueno

¶Bueno *in* Smith's Cat. Ins. N. J., edn. 3, p. 150, 1910 (n.n. for "*pulchella*
¶Parshley, Psyche, xxi, p. 145, 1914. [*auct.* Am.")
Bueno, Bul. Brookl. Ent. Soc., xi, p. 59, 1916 (description).
†*pulchella* Bueno; Jl. N. Y. Ent. Soc., xiii, p. 42, 1905.
Van Duzee, Check List Hemip., p. 49, 1916.
Rhagovelia sp. Bueno, Jl. N. Y. Ent. Soc., xvi, p. 233, 1908.
Localities: N. Y., N. J.

1304. **Microvelia albonotata** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 129, pl. 8, fig. 17, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 24, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 58, 1916.
†*capitata* Bueno, Jl. N. Y. Ent. Soc., xvi, p. 233, 1908, *Rhagovelia.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 31, 1910.
Van Duzee, Check List Hemip., p. 49, No. 1305, 1916.
Localities: N. Y., N. J., Md., Fla., Ill.

(1305. *See* no. 1304)

1306. **Microvelia robusta** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 219.
Locality: Fla.

1306¼. **Microvelia atrata** Bueno

Bueno, Bul. Brookl. Ent. Soc., xi, p. 60, 1916.
Locality: Ga.

1306½. **Microvelia fontinalis** Bueno.

Bueno, Bul. Brookl. Ent. Soc., xi, p. 58, 1916.
Localities: N. Y., N. J.

Subgenus **Kirkaldya** Bueno
Haplotype *americana* Uhl.

Bueno, Can. Ent., xlii, p. 186, 1910.

1307. **Microvelia americana** (Uhl.)

Uhler, Stand. Nat. Hist., ii, p. 274, 1884, *Hebrus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894, *Hebrus.*
Uhler, Hemip. Colo., p. 61, 1895 (as new).
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905.
Bueno., Jl. N. Y. Ent. Soc., xiii, p. 42, 1905.
Bueno and Brimley, Ent. News, xviii, p. 438, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 233, 1908, *Rhagovelia.*
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 31, 1910.
Bueno, Can. Ent., xlii, p. 176, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 57, 1916.
Localities: Ont., Me., N. H., N. Y., N. J., Pa., Md., D. C., Va., N. C., Fla., Kans., Colo., N. Mex., Calif.

Genus **Macrovelia** Uhl.
Haplotype *hornii* Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 422, 1872.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906.

1308. **Macrovelia hornii** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 422, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 289, 1894.
Gillette and Baker, Hemip. Colo., p. 62, 1895.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 207, 1908.
Localities: Colo., N. Mex., Ariz., Calif.

Genus **Rhagovelia** Mayr
Logotype *nigricans* Burm.

Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 445, 1865.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 180, 1868.
Signoret, Bul. Soc. Ent. Fr., ser. 5, vii, p. liv, 1877.
Champion, Biol. Centr. Am., Heter., ii, p. 131, 1898.
Kirkaldy, Bol. Mus. Zool. Anat. Torino, xiv, No. 350, p. 5, 1899.

Kirkaldy, Entomologist, xxxiii, p. 71, 1900.
Carpenter, Entomologist, xxxiv, p. 109, 1901.
Kirkaldy, Entomologist xxxiv, p. 286, 1901 (names *nigricans* type).
Kirkaldy, Entomologist, xxxiv, p. 308, 1901. (Key.)
Distant, Fauna Br. Ind., Rhyn., iii, p. 171, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906.
Bueno, Can. Ent., xxxix, p. 61, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 205, 1908.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 55, 1916.
Boecula Stål, Hemip. Afr., iii, p. 167, 1865 (no species named, invalid).
Neovelia B. White, Jl. Linn. Soc. Lond., xiv, p. 487, 1879 (type *trailii* Wht.).
Trochopus Carpenter, Ent. Mo. Mag., xxxiv, p. 78, 1898 (type *marinus* Champion, Biol. Cent. Am., Heter., ii, p. 140, 1898. [Carp.).

1309. **Rhagovelia obesa** Uhl.

Uhler, Proc. Bost. Soc. Nat. Hist., xiv, p. 107, 1871; xix, p. 434, 1878.
Uhler, Stand. Nat. Hist., ii, p. 272, 1884.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 289, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 42, 1905.
Bueno, Can. Ent., xxxix, p. 61, 1907.
Bueno and Brimley, Ent. News, xviii, p. 438, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 233, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 150, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 56, 1916.
†*collaris* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 500, 1914.
Localities: Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., Va., N. C., Fla., S. C., Ohio, Mich., Tenn., Utah, Calif.

[**aeneipes** Sign. MS]

Signoret, Bul. Soc. Ent. Fr., ser. 5, vii, p. lv, 1877 (probably = *obesa* Uhl.).
Locality: "Niagara Falls" (where *obesa* is common).

1310. **Rhagovelia distincta** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 135, pl. 8, figs. 25, 26, 27, 1898.
Kirkaldy, Entomologist, xxxiv, p. 309, 1901.
[*distincta* Uhl. MS] Walker, Cat. Heter., viii, p. 161, 1873 (no description).
mexicana Signoret, Bul. Soc. Ent. Fr., ser. 5, vii, p. lv, 1877 (no description).
Locality: "Ind." (Walker).

1311. **Rhagovelia armata** (Burm.)

Burmeister, Handb. d. Ent., ii, p. 212, 1835, *Velia.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xv, p. 446, 1866.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876, *Velia.*
Signoret, Bul. Soc. Ent. Fr., ser. 5, vii, p. liv, 1877.
Champion, Biol. Centr. Am., Heter., ii, p. 135, pl. 8, fig. 24, 1898.
Localities: Texas. (Mexico.)

1312. **Rhagovelia plumbea** Uhl.

Uhler, Proc. Zool. Soc. Lond. for 1894, p. 217.
Kirkaldy, Entomologist, xxxiii, p. 72, 1900; xxxiv, p. 309, 1901.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 56, 1916.
marinus Carpenter, Ent. Mo. Mag., xxxiv, p. 78, 1898, *Trachopus*.
Localities: Fla. (West Indies.)

Genus **Velia** Latr.
Type *rivulorum* (Fabr.)

Latreille, Nouv. Dicty. Hist. Nat., xxiv, Tabl. Meth., pp. 163–168, 1804.
Latreille, Hist. Nat. Crust. Ins., xii, p. 269, 1804 (lists *rivulorum* and three [others).
Latreille, Genera Crust. Ins., iii, p. 132, 1807 (lists *rivulorum* and *currens*).
Latreille, Consid. Génl., pp. 258, 434, 1810 (names *rivulorum* type).
Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815 (for *rivulorum*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 512, 1816.
Laporte, Essai Classif Syst. Hémip., p. 23, 1832 (cites *rivulorum* as type).
Burmeister, Handb. d. Ent., ii, p. 211, 1835.
Herrich–Schaeffer, Nomen. Ent., i, pp. 38, 62, 99, 1835.
Brullé, Hist. Nat. des Ins., ix, pp. 291, 293, 1835.
Spinola, Essai sur les Hémip., p. 66, 1837 (1840).
Blanchard, Hist. Nat. des Ins. Hémip., p. 96, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (cites *rivulorum*
Amyot and Serville, Hémip., p. 419, 1843. [as type).
Spinola, Tavola Sinot, p. 43, 1850.
Herrich–Schaeffer, Wanz. Ins., ix, p. 75, 1853.
Flor, Rhyn. Livl., i, p. 744, 1860.
Fieber, Europ. Hemip., pp. 33, 105, 1861.
Stål, Hemip. Afr., iii, p. 167, 1865.
Douglas and Scott, Brit. Hemip., p. 569, 1865.
Puton, Synop. Heter. Fr., ii, p. 149, 1879.
Reuter, Ent. Tidskr., iii, p. 167, 1882.
Berg, Hemip. Argent., Add., p. 117, 1884.
Uhler, Stand. Nat. Hist., ii, p. 272, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 141, 1898. [type).
Distant, Fauna Br. Ind., Rhyn., ii, p. 172, 1903 (names *currens* Fabr. pseudo-
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906 (cites *rivulorum* as type).
Bueno, Bul. Brookl. Ent. Soc., xi, p. 53, 1916.

1313. **Velia stagnalis** Burm.

Burmeister, Handb. d. Ent., ii, p. 212, 1835.
Champion, Biol. Centr. Am., Heter., ii, p. 142, 1898 (comparative notes).
Bueno and Brimley, Ent. News, xviii, p. 438, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 205, 1908.
Bueno, Bul. Brookl. Ent. Soc., xi, p. 54, 1916.
Localities: Pa., D. C., N. C. (West Indies.)

1314. **Velia brachialis** Stål

Stål, Rio Jan. Hemip., i, p. 82, 1860.
Champion, Biol. Centr. Am., Heter., ii, p. 141, pl. 9, figs. 6, 7, 1898.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
†*stagnalis* Uhler, Proc. Zool. Soc. Lond for 1894, p. 215.
Localities: "N. Am.," Fla., Ariz.

1315. **Velia annulipes** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 142, pl. 9, fig. 8, 1898.
Kirkaldy and Bueno, Proc. Ent., Soc. Wash., x, p. 204, 1908.
Localities: Ariz. (Neotropical.)

1315½. **Velia australis** Bueno

Bueno, Bul. Brookl. Ent. Soc., xi, p. 54, 1916.
Localities: Ga., Fla.

Superfamily LEPTOPODOIDEA Van D.

Van Duzee, Check List Hemip., p. 50, 1916 (n.n. for *Acanthioideae* Reut.).
Acanthioideae Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 63, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 15, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 87, 1912.

PHALANX *LEPTOPODIFORMES* (Brul.)

Brullé, Hist. Nat. des Ins., ix, p. 279, 1835, *Leptopodiens* (Family).
Blanchard, Hist. Nat. des Ins., Hémip., p. 94, 1840, *Leptopodiens* (Family).
Van Duzee, Check List Hemip., p. 50, 1916.
Acanthides Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815 (Tribe).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (as family).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 148, 1906 (as family).
Oshanin, Verz. Palae. Hemip., i, p. 581, 1908 (as family).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 175, 1908 (as family).
Kirkaldy, Can. Ent., xl, p. 361, 1908 (as family).
Kirkaldy, Cat. Hemip., i, p. xxiv, 1909 (as family).
Oculatae Latreille, Fam. Nat. Règne Anim., p. 423, 1825 (as tribe).
Amyot and Serville, Hémip., pp. xlix, 401, 1843, Tribe *Oculati.*
Flor, Rhyn. Livl., i, p. 702, 1860 (as family).
Walker, Cat. Heter., viii, p. 153, 1873.
Riparii Burmeister, Handb. d. Ent., ii, p. 215, 1835 (as family).
Pelogonitae Spinola, Tavola Sinot., pp. 27, 49, 1850 (in part; as family).
Saldidae Dohrn, Cat. Hemip., p. 51, 1859 (Family).
Puton, Synop. Hémip. Fr., i, pp. 4, 192, 1879.
Puton, Cat. Hémip. Palae., edn. 3, p. 41, 1886, *Saldides* (Family).
Lethierry & Severin, Cat. Génl. Hémip., iii, p. 215, 1896 (Family).
Distant, Fauna Brit. Ind., Rhyn., ii, p. 404, 1904 (Family).
Acanthiiformes Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 64, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 17, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 87, 1912.

Family SALDIDAE (Am. & Serv.)

Amyot and Serville, Hémip., p. xlix, 1843, Groupe *Saldides.*
Costa, Cimic. Reg. Neap., Cent., iii, p. 66, 1852.
Fieber, Europ. Hemip., pp. 25, 40, 144, 1860.
Stål, Hemip. Fabr., i, p. 90, 1868, *Saldida.*
Stål, Of. Vet. Akad. Forh., xix, p. 387, 1868.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 429, 1877, *Saldae.*
Puton, Synop. Heter. Fr., i, p. 193, 1879, Tribe *Saldini.*

Uhler, Check List, p. 27, 1886.
Puton, Cat. Hémip. Palae., edn. 3, p. 41, 1886, Tribe *Saldini*.
Provancher, Pet. Faune Ent. Can., iii, p. 187, 1888.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 215, 1896 (Subfamily).
Champion, Biol. Centr. Am., Heter., ii, p. 338, 1900.
Distant, Fauna Br. Ind., Rhyn., ii, p. 404, 1904, Subfamily *Saldinae*.
Banks, Cat. Nearc. Hemip., p. 11, 1910.
Van Duzee, Ent. News, xxi, p. 142, 1910; xxii, p. 432, 1911.

Subfamily SALDINAE n.n.

Acanthiinae Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 6, [1912.

[The following references to *Salda* and *Acanthia* really refer to this subfamily.]

Genus **Salda** Auct.

Fabricius, Syst. Rhyng., p. 113, 1803 (indicates *zosterae* as type).
Fallén, Monog. Cimic. Suec., p. 28, 1807.
Fallén, Hemip. Suec., Cimic., p. 71, 1829.
Hahn, Wanz. Ins., ii, p. 81, 1834.
Burmeister, Handb. d. Ent., ii, p. 215, 1835.
Herrich-Schaeffer, Nomen. Ent., i, pp. 37, 60, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 94, 1840.
Amyot and Serville, Hémip., p. 404, 1843.
Herrich-Schaeffer, Wanz. Ins., ix, p. 128, 1853.
Flor, Rhyn. Livl., i, p. 703, 1860.
Fieber, Europ. Hemip., pp. 40, 144, 1860.
Douglas and Scott, Brit. Hemip., p. 316, 1865.
Stål, Hemip. Fabr., i, p. 90, 1868.
Stål, Of. Vet. Akad. Forh., xix, p. 387, 1868.
Thomson, Opusc. Ent., iv, p. 403, 1871.
Walker, Cat. Heter., viii, p. 154, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 430, 1877.
Berg, Hemip. Argent., p. 293, 1879.
Douglas, Ent. Mo. Mag., xix, p. 203, 1883.
Uhler, Check List, p. 27, 1886.
Puton, Cat. Hemip. Palae., edn. 3, p. 41, 1886.
Provancher, Pet. Faune Ent. Can., iii, p. 188, 1888.
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 215, 1896.
Champion, Biol. Centr. Am., Heter., ii, p. 338, 1900.
Distant, Fauna Br. Ind., Rhyn., ii, p. 404, 1904.
Van Duzee, Ent. News, xxi, p. 141, 1910.
Banks, Cat. Nearc. Heter., p. 11, 1910. [to littoral forms.)

†*Acanthia* Latreille, Précis, p. 85, 1796. (No species named, but restricted
Latreille, Hist. Nat. Crust. Ins., iii, p. 247, 1802 (*littoralis* and *zosterae* [as examples).
Latreille, Hist. Nat. Crust. Ins., xii, p. 240, 1804 (includes five species).
Latreille, Genera Crust. Ins., iii, p. 142, 1807.
Latreille, Consid. Génl., pp. 259, 434, 1810 (names *saltatoria* type).
Leach, Brewster's Edinbg. Encyc., ix, p. , 1815 (for *maculata*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 507, 1816.

Latreille, Fam. Nat. Règne Anim., p. 423, 1825, *Acanthie.* [type).
Laporte, Essai Classif. Syst. Hémip., p. 52, 1832 (names *saltatoria* Fabr.
Brullé, Hist. Nat. des Ins., ix, p. 280, 1835.
Curtis, Brit. Ent., xii, pl. 548, 1835.
Spinola, Essai sur les Hémip., p. 76, 1837 (1840).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (cites *salta-*
Spinola, Tavola Sinot., p. 49, 1850. [*toria* Linn. as type).
Stål, Enum. Hemip., iii, p. 148, 1873.
Reuter, Ent. Mo. Mag., xvi, p. 172, 1880; xvii, p. 14, 1881.
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 3, 1895.
Kirkaldy, Entomologist, xxxii, p. 219, 1899 (states that Latreille in
[1797 named *littoralis* as type, which is incorrect).
Bergroth, Wien. Ent. Zeit., xxv, p. 7, 1906.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 148, 1906.
Reuter, Ent. Mo. Mag., ser. 2, xix, p. 26, 1908.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 175, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 581, 1908.
Horvath, Ann. Mus. Natl. Hung., ix, p. 335, 1911.

Genus **Pentacora** Reut.
Orthotype *signoreti* (Guer.)

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 7, 10, 1912.

1316. **Pentacora signoreti** (Guer.)

Guerin *in* Sagra, Hist. Isl. de Cuba, Ins., p. 401, pl. 13, fig. 10, 1857, *Salda.*
Stål, Enum. Hemip., iii, p. 148, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 333, 1876; iii, p. 431, 1877, *Salda.*
Uhler, Stand. Nat. Hist., ii, p. 265, fig. 321, 1884, *Salda.*
Champion, Biol. Centr. Am., Heter., ii, p. 339, pl. 20, fig. 2, 1900, *Salda.*
Barber, Brookl. Inst., Sci. Bul., i, p. 287, 1906, *Salda.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 11, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Acanthia.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.
ornata (Stål), Stet. Ent. Zeit., xxiii, p. 458, 1862, *Salda.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Localities: Mass., N. J., Md., N. C., Ga., Fla., Texas, Calif. (Neotropical.)

1317. **Pentacora hirta** (Say)

Say, Heter. N. Harm., p. 34, 1832; Fitch reprint, p. 804; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.* [359, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 436, 1877, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 11, 1912, *Acanthia.*
[*vagata* Uhler MS] Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 153, 1906,
[*Salda.*
Localities: Quebec, Conn., N. Y., N. J., Fla., Ind., Texas.

1318. **Pentacora ligata** (Say)

Say, Heter. N. Harm., p. 34, 1832; Fitch reprint, p. 804; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.* [359, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 333, 1876; iii, p. 432, 1877, *Salda.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 431, 1878, *Salda.*

Provancher, Pet. Faune Ent. Can., iii, p. 189, 1888, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 184, 1894, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 11, 1912.
Parshley, Psyche, xxi, p. 140, 1914.
variegata Provancher, Nat. Can., iv, p. 107, 1872, *Salda.*
Localities: Quebec, Ont., Me., Mass., N. Y., Md., N. C., Ind., Ill., Minn., Neb.

Genus **Chiloxanthus** Reut.
Logotype *pilosus* (Fall.)

Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, pp. 4, 6, 1895.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 7, 11, 1912.

1319. **Chiloxanthus stellata** (Curt.)

Curtis, Ross' 2d Voy., App., p. lxxv, 1835, *Acanthia.*
Curtis, Brit. Ent., xii, pl. 548, 1835, *Acanthia.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 442, 1877, *Salda.*
Localities: "Arctic Am.," Pt. Barrow.

Genus **Salda** Fabr.
Orthotype *zosterae* (Fabr.) = *littoralis* (Linn.)

Fabricius, Syst. Rhyn., p. 113, 1803 (names *zosterae* as type).
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 7, 13, 1912.
Sciodopterus Amyot and Serville, Hémip., p. 404, 1843 (type *flavipes* [Fabr. = *littoralis* Linn.).
Provancher, Pet. Faune Ent. Can., iii, p. 191, 1888.
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, pp. 5, 7, 1895 (as subgenus).

1320. **Salda littoralis** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 442, 1758, *Cimex.*
Linnaeus, Fauna Suec., edn. 2, p. 246, No. (910) 914, 1761, *Cimex.*
De Geer, Mémoires, iii, p. 278, pl. 14 (24), figs. 17, 18, 1773, *Cimex.*
Fabricius, Syst. Ent., p. 694, 1775, *Acanthia.*
Retzius, Genera et Spec. Ins., p. 86, 1783, *Cimex.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 247, 1801; xii, p. 242, 1804, *Acanthia.*
Fallén, Monog. Cimic. Suec., p. 28, 1807, *Salda.*
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 508, 1816, *Acanthia.*
Zetterstedt, Fauna Lapp., p. 477, 1828, *Salda.*
Fallén, Hemip. Suec., Cimic, p. 71, 1829, *Salda.*
Zetterstedt, Ins. Lapp., column, 267, 1840, *Salda.*
Flor, Rhyn. Livl., i, p. 709, 1860, *Salda.*
Fieber, Europ. Hemip., p. 147, 1861, *Salda.*
Douglas and Scott, Brit. Hemip., p. 528, 1865, *Salda.*
Stål, Hemip. Fabr., i, p. 90, 1868, *Salda.*
Stål, Of. Vet. Akad. Forh., xxv, p. 387, 1868, *Salda.*
Thomson, Opusc. Ent., iv, p. 403, 1871, *Salda.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 439, 1877, *Salda.*
Reuter, Rev. Synon., p. 337, No. 302, 1888, *Acanthia.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 35, 1895, *Acanthia.*

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 13, 1912.
zosterae (Fabricius), Genera Ins., p. 299, 1776, *Acanthia.*
Fabricius, Spec. Ins., ii, p. 335, 1781, *Acanthia.*
Fabricius, Ent. Syst., iv, p. 68, 1794, *Acanthia.*
Fabricius, Syst. Rhyn., p. 113, 1803.
Burmeister, Handb. d. Ent., ii, p. 216, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 94, 1840.
Verhoeff, Ent. Nachr., xvii, p. 345, 1891 (as variety).
pellucens (Fabricius), Reise Norw., p. 234, 1779, *Acanthia.*
†*flavipes* Fieber, Wien. Ent. Monat., iii, p. 238, 1859.
Fieber, Europ. Hemip., p. 147, 1861.
Verhoeff, Ent. Nachr., xvii, p. 344, 1891.
obscura Provancher, Nat. Can., iv, p. 107, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 190, 1888.
Localities: Quebec, N. Y., Ind., Ill., Utah, Calif.

1321. **Salda coriacea** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 421, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876; iii, p. 436, 1877.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 433, 1878.
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 13, 1912.
Van Duzee, Can. Ent., xliv, p. 324, 1912.
Bueno, Ent. News, xxiv, p. 20, 1913, *Acanthia.*
Parshley, Psyche, xxi, p. 140, 1914, *Acanthia.*
bouchervillei (Provancher), Nat. Can., iv, p. 106, 1872, *Sciodopterus.*
Provancher, Pet. Faune Ent. Can., iii, p. 192, 1888, *Sciodopterus.*
Localities: Ont., Me., Mass., N. Y., N. J., Ill., Colo., Utah, Br. Col., Mackenzie River Region.

1322. **Salda anthracina** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 438, 1877.
Localities: N. H., N. Y., Pa.

Genus **Saldula** Van D.
Orthotype *saltatoria* (Linn.)

Van Duzee, Trans. San Diego Soc. Nat. Hist. Soc., ii, p. 32, 1914 (n.n. for
Van Duzee, Can. Ent., xlvi, p. 387, 1914. [*Acanthia* Reut., 1912).
†*Acanthia* Reuter, Acta Soc. Soc. Sci. Fenn., xxi, No. 2, pp. 5, 9, 1895.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, pp. 71, 72, 1912.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 8, 14, 1912.

1323. **Saldula major** (Prov.)

Provancher, Nat. Can., p. 107, 1872, *Salda.*
Provancher, Pet. Faune Ent. Can., iii, p. 190, 1888, *Salda.*
Van Duzee, Can. Ent., xliv, p. 324, 1912, *Salda.*
Parshley, Psyche, xxi, p. 140, 1914, *Acanthia.*
deplanata Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 442, 1877, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Salda.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Van Duzee, Can. Ent., xliv, p. 324, 1912, *Salda.* [*Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 14, 1912,

†*lugubris* (Uhler), Bul. U. S. Geol. Geog. Surv., i, p. 333, 1876, *Salda.*
Localities: Quebec, Ont., Me., Mass., R. I., N. Y., N. J., Pa., Md., Mich., Ill., Wisc., Mo., Kan., Texas, N. Mex., Minn., Sask., McKenzie River Region

1324. **Saldula confluenta** (Say)

Say, Heter. N. Harm., p. 35, 1832; Fitch reprint, p. 805; Compl. Writ., i, p.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 236, 1908, *Acanthia.* [361, *Acanthia.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
‡*confluens* Le Conte, *in* Say, Compl. Writ., i, p. 361, 1859, *Acanthia.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 433, 1877, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 14, 1912,
Banks, Cat. Nearc. Hemip., p. 11, 1910, *Salda.* [*Acanthia*
Localities: Quebec, N. Y., N. J.

1325. **Saldula orbiculata** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 450, 1877, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Localities: Mass., N. Y., Pa., Ohio, Ill., Texas, Calif.

1326. **Saldula explanata** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 383, 1893, *Salda.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 290, 1894, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, 1912, *Acanthia.*
Localities: Utah, Idaho, Calif., Vanc. Isd.

1327. **Saldula dispersa** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 383, 1893, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Localities: Colo., Utah, Nev., Calif.

1328. **Saldula interstitialis** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 324, 1825; Compl. Writ., ii, p. 248,
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 421, 1872, *Salda.* [*Acanthia.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 333, 1876; iii, p. 444, 1877, *Salda.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1330, *Salda.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 431, 1878, *Salda.*
Van Duzee, Can. Ent., xxi, p. 6, 1889, *Salda.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 364, 1893, *Salda.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Salda.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 290, 1894, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda.*
Gillette and Baker, Hemip. Colo., p. 62, 1895, *Salda.*
Smith, Cat. Ins. N. J., edn., 3, p. 166, 1910, *Acanthia.*
Van Duzee, Can. Ent., xliv, p. 324, 1912, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Acanthia.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 235, 1916.
†*littoralis* (Provancher), Pet. Faune Ent. Can., iii, p. 191, 1888, *Salda.*
Localities: Quebec., Ont., Me., Mass., N. Y., N. J., Pa., Md., Fla., Ind., Ill., Mich., Mo., Dak., Neb., Colo., Texas, N. Mex., Idaho, Calif.

1329. **Saldula separata** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 432, 1878, *Salda.*
Localities: "Canada," N. H., Mass., Pa.

1330. **Saldula reperta** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 447, 1877, *Salda.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Van Duzee, Can. Ent., xliv, p. 324, 1912, *Salda* (misspelled *repleta*).
??*lugubris* (Provancher), Pet. Faune Ent. Can., iii, p. 191, 1888, *Salda.*
Localities: Quebec, N. H., Mass.

1331. **Saldula xanthochila** (Fieb.)

Fieber, Wien. Ent. Monat., iii, p. 234, 1859, *Salda.*
Fieber, Europ. Hemip., p. 145, 1861, *Salda.*
Puton, Synop. Heter. Fr., i, p. 202, 1879, *Salda.*
Reuter, Rev. Synon., p. 340, No. 305, 1888, *Acanthia.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 50, 1895, *Acanthia.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Bueno, Ent. News, xxiv, p. 20, 1913.
Localities: N. Y., N. J., Colo., Utah, Nev., Calif. (Palaearctic.)

a. var. **limbosa** (Horv.)

Horvath, Revue d'Ent., x, p. 80, 1891, *Acanthia.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 50, 1895, *Acanthia.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 566, 1908, *Acanthia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Acanthia.*
Localities: N. J., Fla. (Palaearctic.)

1332. **Saldula pallipes** (Fabr.)

Fabricius, Ent. Syst., iv, p. 71, 1794, *Acanthia.*
Fabricius, Syst. Rhyn., p. 115, 1803, *Salda.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 220, 1804, *Lygaeus.*
Zetterstedt, Fauna Lapp., p. 477, 1828, *Salda.*
Fallén, Hemip. Suec., Cimic., p. 73, 1829, *Salda.*
Herrich-Schaeffer, Nomen. Ent., i, p. 60, 1835, *Salda.*
Zetterstedt, Ins. Lapp., column 267, 1840, *Salda.*
Herrich-Schaeffer, Wanz. Ins., vi, p. 43, fig. 600, 1842, *Salda.*
Costa, Cimic. Reg. Neap., Cent., ii, p. 5, pl. 2, fig. 7, 1843, *Salda* (var.)
Fieber, Wien. Ent. Monat., iii, p. 237, 1859, *Salda.*
Flor, Rhyn. Livl., i, p. 715, 1860, *Salda* (part).
Fieber, Europ. Hemip., p. 146, 1861, *Salda.*
Douglas and Scott, Brit. Hemip., p. 527, 1865, *Salda.*
Stål, Hemip. Fabr., i, p. 91, 1868, *Salda* (var. of *saltatoria*).
Thomson, Opusc. Ent., iv, p. 407, 1871, *Salda.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Douglas and Scott, Ent. Mo. Mag., xii, p. 30, 1875, *Salda.*

Saunders, Synop. Brit. Hemip., p. 634, 1875, *Salda.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 446, 1877, *Salda.*
Reuter, Rev. Synon., p. 339, No. 304, 1888, *Acanthia.*
Reuter, Revue d'Ent., ix, p. 251, 1890, *Acanthia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda* (part).
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, pp. 22, 47, 1895, *Acanthia.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904, *Salda.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 550, 1905, *Salda.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Acanthia.*

?pellucidus (Goeze), Ent. Beytr., ii, p. 264, 1778, *Cimex.*
Fourcroy, Ent. Paris., p. 196, 1785, *Cimex.*

†*littoralis* (Schrank), Fauna Boica, ii, p. 63, 1801, *Acanthia.*

stria (Latreille), Hist. Nat. Crust. Ins., xii, p. 243, 1804, *Acanthia.*

†*saltatorius* (Panzer), Fauna Ins. Germ., pl. 92, fig. 13, 1805, *Lygaeus.*
Fallén, Monog. Cimic. Suec., p. 29, 1807, *Salda* (var.*b.*)

marginalis (Turton) *in* Linnaeus, Syst. Nat., edn. 13, Lond. reprint, i, p. [610, 1806, *Cimex.*

dimidiata (Curtis), Brit. Ent., xii, p. 548, 1835, *Acanthia* (variety).

ocellata (Costa), Cimic. Neap., Cent., ii, p. 9, pl. 2, fig. 5, 1843, *Salda.*

luctuosa (Westhoff), Jahrsb. Westf. Prov. Ver., viii, p. 65, 1880, *Salda* [(variety).

Localities: Ont., N. Y., N. J., Md., Colo., Utah, N. Mex., Nev., Calif., Alaska. (Palaearctic.)

1333. **Saldula laticollis** (Reut.)

Reuter, Pet. Nouv. Ent., i, p. 544, 1875, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., xxi, p. 61, 1878, *Acanthia.*
Banks, Cat. Nearc. Heter., p. 12, 1910, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 71, 1912, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
Localities: Alaska. (Siberia.)

1334. **Saldula sphacelata** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 434, 1877, *Salda.*
Barber, Brookl. Inst. Sci. Bul., i, p. 288, 1906, *Salda.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 153, 1906, *Salda.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Salda.*
Localities: Mass., N. J., Md., Fla., Texas.

1335. **Saldula opacula** (Zett.)

Zetterstedt, Ins. Lapp., column 268, 1840, *Salda.*
Thomson, Opusc. Ent., iv, p. 407, 1871, *Salda.*
Douglas and Scott, Ent. Mo. Mag., xi, p. 9, 1874, *Salda.*
Saunders, Synop. Brit. Hemip., p. 633, pl. 12, fig. 13, 1876, *Salda.*
Puton, Synop. Heter. Fr., i, p. 187, 1879, *Salda.*
Rey, Revue d'Ent., vii, p. 195, 1888, *Salda.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 46, 1895, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*

costalis (Sahlberg), Monog. Geoc. Fenn., p. 152, 1848, *Salda.*
†*marginalis* (Herrich–Schaeffer), Wanz. Ins., ix, p. 130, fig. 943, 1853, *Salda.*
Flor, Rhyn. Livl., i, p. 712, 1860, *Salda.*
Fieber, Wien. Ent. Monat., vii, p. 62, 1863, *Salda.*
Stål, Of. Vet. Akad. Forh., xxv, p. 391, 1868, *Salda.*
Localities: Mass. (Palaearctic.)
[This may not be distinct from the preceding.]

1336. **Saldula scotica** (Curt.)

Curtis, Brit. Ent., xii, pl. 548, 1835, *Acanthia.*
Stål, Of. Vet. Akad. Forh., xxv, p. 389, 1868, *Salda.*
Thomson, Opusc. Ent., iv, p. 406, 1871, *Salda.*
Puton, Synop. Heter. Fr., i, p. 196, 1879, *Salda.*
Saunders, Heter. Brit. Isds., p. 177, pl. 16, fig. 6, 1892, *Salda.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, pp. 12, 40, 1895, *Acanthia.*
Lethierry and Severin, Cat. Génl. Hémip., iii, p. 223, 1896, *Salda.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 337, 1911, *Acanthia.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
†*litoralis* (Fieber), Wien. Ent. Monat., iii, p. 238, 1859, *Salda.*
Fieber, Europ. Hemip., p. 147, 1861, *Salda.*
hirsutula (Flor), Rhyn. Livl., i, p. 708, 1860, *Salda.*
Fieber, Wien. Ent. Monat., vii, p. 62, 1863, *Salda.*
†*riparia* (Douglas and Scott), Brit. Hemip., p. 530, 1865, *Salda.*
gracilipes (Jakowlev), Horae Soc. Ent. Ross., xii, p. 151, 1879, *Salda.*
Reuter, Act Soc. Sci. Fenn., xxi, p. 34, 1895, *Sciodopterus.*
Localities: "Am. Bor." (Palaearctic.)

1337. **Saldula pellita** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 433, 1877, *Salda.*
Locality: Mass.

1338. **Saldula lugubris** (Say)

Say, N. Harm., p. 34, 1832; Fitch reprint, p. 804; Compl. Writ., i, p. 360,
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.* [*Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 442, 1877, *Salda.*
Locality: "Mo."

1339. **Saldula elongata** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 448, 1877, *Salda.*
Locality: Brit. Col.

1340. **Saldula luctuosa** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 263, 1858, *Salda.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876; iii, p. 445, 1877, *Salda.*
Locality: Calif.

1341. **Saldula saltatoria** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 448, 1758, *Cimex.*
Linnaeus, Fauna Suec., edn. 2, p. 254, No. 953, 1761, *Cimex.*
Fabricius, Syst. Ent., p. 725, 1775, *Cimex.*
Fabricius, Ent. Syst., iv, p. 176, 1794, *Lygaeus.*
Wolff, Icon. Cimic., ii, p. 77, fig. 74, 1801, *Lygaeus.*

Fabricius, Syst. Rhyn., p. 239, 1803, *Lygaeus.*
Fallén, Monog. Cimic. Suec., p. 29, 1807, *Salda.*
Zetterstedt, Fauna Lapp., p. 479, 1828, *Salda.*
Fallén, Hemip. Suec., Cimic., p. 73, 1829, *Salda.*
Laporte, Essai Classif. Syst. Hémip., p. 52, 1832 (as type of *Acanthia*).
Hahn, Wanz. Ins., ii, p. 83, fig. 167, 1834, *Salda.*
Herrich-Schaeffer, Nomen. Ent., i, p. 61, 1835, *Salda.*
Brullé, Hist. Nat. des Ins., ix, p. 281, 1835, *Acanthia.*
Spinola, Essai sur les Hémip., p. 77, 1837 (1840), *Acanthia.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 94, 1840, *Salda.*
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (as type of
Fieber, Wien. Ent. Monat., iii, p. 235, 1859, *Salda.* [*Acanthia*).
Flor, Rhyn. Livl., i, p. 713, 1860, *Salda.*
Fieber, Europ. Hemip., p. 145, 1861, *Salda.*
Douglas and Scott, Brit. Hemip., p. 522, 1865, *Salda.*
Stål, Of. Vet. Akad. Forh., xxv, p. 390, 1868, *Salda.*
Thomson, Opusc. Ent., iv, p. 407, 1871, *Salda.*
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876, *Salda.*
Puton, Synop. Heter. Fr., i, p. 199, 1879, *Salda.*
Reuter, Berl. Ent. Zeit., xxv, p. 186, 1881, *Salda.*
Reuter, Rev. Synon., p. 338, No. 303, 1888, *Acanthia.*
Reuter, Revue d'Ent., ix, p. 251, 1890, *Acanthia.*
Saunders, Heter. Brit. Isds., p. 180, 1892, *Salda.*
Reuter, Acta Soc. Sci. Fenn., xxi, No. 2, p. 42, 1895, *Acanthia.*
Champion, Biol. Centr. Am., Heter., ii, p. 341, 1900, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 15, 1912, *Acanthia.*
alpinus (Scopoli), Ent. Carn., p. 129, 1763, *Cimex.*
†*littoralis* (Fabricius), Ent. Syst., iv, p. 72, 1794, *Acanthia.*
Fabricius, Syst. Rhyn., p. 115, 1803, *Salda.*
Burmeister, Handb. d. Ent., ii, p. 216, 1835, *Salda.*
Costa, Cimic. Reg. Neap., Cent., ii, p. 8, 1843, *Salda.*
†*maculata* (Latreille), Hist. Nat. Crust. Ins., xii, p. 243, 1804, *Acanthia.*
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 508, 1816, *Acanthia.*
†*zosterae* (Amyot and Serville), Hémip., p. 405, 1843, *Salda.*
Localities: N. Y., Ill. (Palaearctic.)

Genus **Micracanthia** Reut.
Orthotype *marginalis* (Fall.)

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 8, 16, 1912.
§*Micranthia* Van Duzee, Check List Hemip., p. 51, 1916.

1342. **Micracanthia humilis** (Say)

Say, Heter. N. Harm., p. 35, 1832; Fitch reprint, p. 805; Compl. Writ., i, p.
Stål, Enum. Hemip., iii, p. 149, 1873, *Acanthia.* [360, *Acanthia* (spelled *humulis*).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 334, 1876; iii, p. 451, 1877, *Salda.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 382, 1893, *Salda.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 364, 1893, *Salda.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 212, *Salda.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Salda.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 236, 1908, *Acanthia.*
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910, *Acanthia.*

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 16, 1912, *Acanthia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914, *Acanthia.*
Localities: Ont., Me., Mass., R. I., N. Y., N. J., Pa., Md., D. C., N. C., Ga., Fla., Ohio, Ill., Colo., Texas, Calif.

1343. **Micracanthia pusilla** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.
Localities: Calif.

Genus **Ioscytus** Reut.
Orthotype *politus* (Uhl.)

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 9, 19, 1912.

1344. **Ioscytus politus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 441, 1877, *Salda.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 383, 1893, *Salda.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 20, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 32, 1914.
Localities: Ariz., Calif.

a. var. **flavicosta** Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 21, 1912.
Locality: Utah.

Genus **Lampracanthia** Reut.
Orthotype *crassicornis* (Uhl.)

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, pp. 9, 21, 1912.

1345. **Lampracanthia crassicornis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 438, 1877, *Salda.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 21, 1912.
Localities: N. H., Sask. River.

Subfamily SALDOIDINAE Reut.

Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 23, 1912.

Genus **Saldoida** Osb.
Logotype *slossoni* Osb.

Osborn, Can. Ent., xxxiii, p. 181, 1901.
Horvath, Ann. Mus. Natl. Hung., ix, p. 335, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 24, 1912.

1346. **Saldoida slossoni** Osb.

Osborn, Can. Ent., xxxiii, p. 181, 1901.
Slosson, Ent. News, xix, p. 424, 1908.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 12, p. 24, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Locality: Fla.

1347. **Saldoida cornuta** Osb.

Osborn, Can. Ent., xxxiii, p. 181, 1901.
Slosson, Ent. News, xix, p. 424, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Locality: Fla.

Superfamily NOTONECTOIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815, Tribe *Notonectides* (part).
Leach, Trans. Linn. Soc. Lond., xii, p. 11, 1817, Tribe *Notonectides* (part).
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 62, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 15, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

PHALANX *NOTONECTAEFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 63, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 90, 1912.

Family NOTONECTIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815, *Notonectides*, Fam. I.
Billberg, Enum. Ins. Mus. Billb., p. 66, 1820, *Notonectides.*
Latreille, Fam. Nat. Règne Anim., p. 425, 1825, *Notonectides* (part).
Laporte, Essai Classif. Syst. Hémip., p. 19, 1832, *Notonectites* (part).
Burmeister, Handb. d. Ent., ii, p. 185, 1835, *Notonectici* (part).
Brullé, Hist. Nat. des Ins., ix, p. 247, 1835, *Notonectiens* (part). [(part).
Latreille *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 170, 1836, *Notonectides*
Blanchard, Hist. Nat. des Ins., Hémip., p. 87, 1840, *Notonectiens* (part).
Westwood, Intr. Mod. Classif. Ins., ii, p. 458, ii, Synop., p. 119, 1840, *Notonec-*
Amyot and Serville, Hémip., pp. lii, 449, 1843, *Notonectides.* [*tidae* (part).
Spinola, Tavola Sinot., pp. 27, 49, 1850, *Notonectae* (part).
Fieber, Genera Hydroc., pp. 9, 24, 1851, *Notonectidea.*
Dohrn, Cat. Hemip., p. 56, 1859, *Notonectidae.*
Flor, Rhyn. Livl., i, pp. 751, 766, 1860, *Notonectica.*
Douglas and Scott, Brit. Hemip., pp. 47, 585, 1865, *Notonectina.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 707, 1870, *Notonectina.*
Walker, Cat. Heter., viii, p. 201, 1873, *Notonectidae.*
Uhler, Stand. Nat. Hist., ii, p. 251, 1884, *Notonectidae.*
Uhler, Check List, p. 28, 1886, *Notonectidae.*
Puton, Cat. Hemip. Palae., edn. 3, p. 65, 1886, *Notonectides.*
Provancher, Pet. Faune Ent. Can., iii, p. 200, 1888, *Notonectides.*
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 394, *Notonectidae.*
Kirkaldy, Bol. Mus. Zool. Anat. Comp. Univ. Torino, xiv, No. 350, p. 9, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 368, 1901, *Notonectidae.* [(Key.)
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 93, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 149, 1905.
Distant, Fauna Br. Ind., Rhyn., iii, p. 40, 1906.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 153, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 198, 1908.
Kirkaldy, Can. Ent., xl, p. 362, 1908.
Oshanin, Verz. Palae., Hemip., i, p. 971, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 63, 80, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 27, 1911.
Reuter, Of. Finska Vet. Akad. Forh., liv, Afd. A, No. 6, pp. 48, 51, 1912.

Subfamily NOTONECTINAE (Fieb.)

Fieber, Genera Hydroc., p. 24, 1851, Turma *Notonectae.*
Fieber, Rhynchotographien, p. 45, 1851, Gruppe *Notonectae.*
Fieber, Europ. Hemip., pp. 22, 31, 100, 1860, Fam. *Notonectidae.*
Stål, Hemip. Afr., iii, p. 190, 1865, Fam. *Notonectidae.*
Douglas and Scott, Brit. Hemip., p. 585, 1865, Fam. *Notonectidae.*
Berg, Hemip. Argent., p. 196, 1879, Fam. *Notonectidae.*
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 394.
Kirkaldy, Bol. Mus. Zool. Anat. Comp. Univ. Torino, xiv, No. 347, p. 9, 1899.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 93, 1904. [(Key.)
Distant, Fauna Br. Ind., Rhyn., iii, p. 40, 1906.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 149, 1905.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 198, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 972, 1909, *Notonectina.*
Oshanin, Kat. Palae. Hemip., p. 91, 1912.

Genus **Notonecta** Linn.
Logotype *glauca* Linn.

Linnaeus, Syst. Nat., edn. 10, i, p. 439, 1758.
Geoffroy, Hist. Abreg. des Ins., i, p. 476, 1762.
Scopoli, Ent. Carn., p. 118, 1763.
Brunnich, Entomologia, p. 58, 1764.
Fabricius, Syst. Ent., p. 689, 1775.
Goeze, Ent. Beytr., ii, p. 164, 1778.
Fourcroy, Ent. Paris., p. 220, 1785.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2118, 1788.
Thunberg, Charac. Genera Ins., edn. 2, p. 33, 1791.
Fabricius, Ent. Syst., iv, p. 57, 1794.
Latreille, Précis, p. 87, 1797.
Lamarck, Syst. Nat. Anim. s. Vert., p. 296, 1801 (names *glauca* type).
Latreille, Hist. Nat. Crust. Ins., iii, p. 254, 1802.
Walckenaer, Fauna Paris., ii, p. 331, 1802.
Fabricius, Syst. Rhyn., p. 102, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 290, 1804.
Latreille, Genera Crust. Ins., iii, p. 150, 1807.
Latreille, Consid. Génl., pp. 261, 434, 1810 (cites *glauca* as type).
Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815.
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 517, 1816.
Leach, Trans. Linn. Soc. Lond., xii, pp. 11, 12, 1817.
Fallén, Hemip. Suec. Cimic., p. 177, 1829.
Latreille, Cuvier, Règne Animal, edn. 2, v, p. 209, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 20, 1832 (names *glauca* type).
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 713, 1832.
Herrich-Schaeffer, Nomen. Ent., i, pp. 39, 63, 1835.
Burmeister, Handb. d. Ent., ii, p. 190, 1835.
Brullé, Hist. Nat. des Ins., ix, pp. 252, 254, 1835.
Spinola, Essai sur les Hémip., p. 59, 1837 (1840).
Blanchard, Hist. des Ins., Hémip., p. 88, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., 119, 1840 (names *glauca* type).
Amyot and Serville, Hémip., p. 450, 1843.
Fieber, Ent. Monog., p. 16, 1844.

Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Genera Hydroc., p. 25, 1851.
Fieber, Rhynchotographien, p. 48, 1851.
Flor, Rhyn. Livl., i, p. 766, 1850.
Fieber, Europ. Hemip., pp. 31, 100, 1860.
Stål, Hemip. Afr., iii, p. 190, 1865.
Douglas and Scott, Brit. Hemip., p. 585, 1865.
Puton, Synop. Heter. Fr., i, p. 216, 1879.
Uhler, Stand. Nat. Hist., ii, p. 252, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 200, 1888.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 395.
Kirkaldy, Bul. Mus. Zool. Anat. Comp. Univ. Genova, xiv, No. 350, p. 9, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 368, 1901.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 93, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, pp. 143, 149, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 153, 1906.
Distant, Fauna Br. Ind., Rhyn., iii, p. 40, 1906 (cites *glauca* as type).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 198, 1908.

1348. **Notonecta lutea** Mull.

Müller, Zool. Dan. Prodr., p. 103, 1776.
Weber and Mohr, Naturh. Reise d. Schwed., p. 66, 1804.
Fallén, Hydroc. Nauc. Suec., p. 6, 1814.
Fallén, Hemip. Suec., Cimic., p. 178, 1829.
Fieber, Rhynchotographien, p. 49, 1851.
Flor, Rhyn. Livl., i, p. 774, 1860.
Fieber, Europ. Hemip., p. 100, 1860.
Sahlberg, Not. Sallsk. Fauna Fenn., Forh., xiv, p. 274, 1875.
Puton, Synop. Heter. Fr., i, p. 218, 1879.
Reuter, Rev. Synon., p. 374, No. 351, 1888.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 425.
Bueno, Ent. News, xv, p. 220, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 160, 1905.
unicolor Herrich-Schaeffer, Nomen. Ent., i, p. 63, 1835.
Herrich-Schaeffer, Wanz. Ins., viii, p. 23, 1848.

a. var. **scutellaris** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 425.
Localities: Manitoba, Brit. Col. (Palaearctic.)
[The variety not yet recorded from America.)

1349. **Notonecta irrorata** Uhl.

Packard, Guide to Study of Ins., p. 437, 1869 (without description).
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 443, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 200, 1888.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 418.
Bueno, Jl. N. Y. Ent. Soc., x, pp. 231, 235, 1902; xiii, pp. 46, 159, 1905.
Bueno and Brimley, Ent. News, xviii, p. 435, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 238, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.

Parshley, Psyche, xxi, p. 140, 1914.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., R. I., Md., D. C., Fla., Ohio, Ind., Ill., Mich., Ky.

1350. **Notonecta uhleri** Kirk.

Kirkaldy, Ann. Mag. Nat. Hist., ser. 6, xx, p. 58, 1897.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 415.
Bueno, Jl. N. Y. Ent. Soc., x, pp. 231, 235, 1902; xiii, pp. 46, 157, 1905.
Bueno and Brimley, Ent. News, xviii, p. 436, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: Mass., N. Y., N. J., D. C., Fla., La.

1351. **Notonecta variabilis** Fieb.

Fieber, Rhynchotographien, p. 53, 1851.
Berg, Hemip. Argent., p. 197, 1879.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 414.
Bueno, Jl. N. Y. Ent. Soc., x, pp. 231, 234, 1902.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 95, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, pp. 45, 155, 1905; xvi, p. 238, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Bueno and Brimley, Ent. News, xviii, p. 435, 1910.
Parshley, Psyche, xxi, p. 140, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Bueno, Psyche, xxii, p. 17, 1915.
†*americana* Ashmead *in* Smith's Cat. Ins. N. J., edn. 2, p. 144, 1899.
Localities: Quebec, Ont., Me., Mass., R. I., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Ohio, Ind., Mich., Ill., Wis., Neb., Kan.

1352. **Notonecta undulata** Say

Say, Heter. N. Harm., p. 39, 1832; Fitch reprint, p. 812; Compl. Writ., i, p. 368.
Fieber, Rhynchotographien, p. 55, 1851.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 453, 1877.
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1332.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 442, 1878.
Uhler, Stand. Nat. Hist., ii, p. 252, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 201, 1888.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 292, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894.
Gillette and Baker, Hemip. Colo., p. 63, 1895.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 410.
Kirkaldy, Entomologist, xxxii, p. 29, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 370, pl. 22, fig. 10, 1901.
Bueno, Jl. N. Y. Ent. Soc., x, pp. 231, 233, 1902; xiii, pp. 45, 152, 1905.
Bueno and Brimley, Ent. News, xviii, p. 435, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 238, 1908; xviii, p. 33, 1910.
Severin, Can. Ent., xlii, p. 340, 1910 (food habits).
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.

Parshley, Psyche, xxi, p. 140, 1914.
†*americana* Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2188, 1789.
Herrich–Schaeffer, Wanz. Ins., ix, p. 44, fig. 902, 1853.
unicolor Fieber, Rhynchotographien, p. 53, 1851 (as variety).
scutellaris Fieber, Rhynchotographien, p. 53, 1851 (as variety).
†*variabilis* Guerin *in* Sagra, Hist. Isl. de Cuba, Ins., p. 176, 1857.
†*pallipes* Lethierry, Ann. Soc. Ent. Belg., xxv, p. 13, 1881.
albida Kirkaldy, 1900. (Cannot locate this reference.)

a. var. **punctata** Fieb.
Fieber, Rhynchotographien, p. 52, 1851.
Uhler, Check List, p. 28, 1886.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 411.

b. var. **virescens** Blanch.
Blanchard *in* Gay's Hist. de Chili, Zool., vii, p. 233, 1852.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 411.

c. var. **maculata** Fieb.
Fieber, Rhynchotographien, p. 53, 1851.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 410.

d. var. **charon** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 411.

e. var. **latona** Kirk.
Kirkaldy. (Cannot locate this.)

f. var. **selene** Kirk.
Kirkaldy, 1900. (Cannot locate this.)
Localities: Quebec, Ont., Me., Mass., R. I., N. Y., N. J., Md., D. C., Va., N. C., Fla., La., Ohio, Ind., Mich., Ill., Minn., Ia., Neb., Kan., Mo., Tenn., Ky., Colo., Utah, Mont., Texas, N. Mex., Ariz., Calif., Ore., Idaho, Brit. Col., Vanc. Isd., Manitoba.

1353. **Notonecta howardii**, Bueno

Bueno, Jl .N. Y. Ent. Soc., xiii, p. 151, 1905.
Locality: Ariz.

1354. **Notonecta raleighi** Bueno

Bueno, Can. Ent., xxxix, p. 225, 1907.
Bueno and Brimley, Ent. News, xviii, p. 436, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Localities: N. J., Md., D. C., N. C., Ill.

1355. **Notonecta indica** Linn.

Linnaeus, Mantissa Plantarum, ii, p. 534, 1771.
Turton *in* Linnaeus Syst. Nat., edn. 13, Eng. transl., ii, p. 605, 1806.
Kirkaldy, Entomologist, xxxiv, p. 10, 1900.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 94, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 150, 1905.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 181, 1906.
americana Fabricius, Syst. Ent., p. 690, 1775.
Olivier, Encyc. Meth., viii, p. 389, 1801.
Uhler, Check List, p. 28, 1886.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 223.

Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 408.
Kirkaldy, Revue d'Ent., xviii, p. 94, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 370, pl. 22, fig. 11, 1901.
unifasciata Guerin, Le Moniteur for 1857, p. ?.
Guerin, Bul. Soc. Zool. Acclim., iv, p. 581, 1858.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 426 (listed only).
dorsalis Fieber, Rhynchotographien, p. 53, 1851 (as variety).
Localities: Texas, Ariz., Nev., Calif., Ore., Utah. (Neotropical.)

1356. **Notonecta shooterii** Uhl.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 292, 1894.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 406.
Champion, Biol. Centr. Am., Heter., ii, p. 370, 1901.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 161, 1905.

a. var. **melaena** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 406.
Localities: Calif. (Mexico, Centr. Am.)

1357. **Notonecta insulata** Kirby

Kirby *in* Richardson's Fauna Bor. Am., iv, p. 285, 1837.
Kirby *in* Bethune reprint, p. 140; *same,* Can. Ent., x, p. 216, 1878.
Fieber, Rhynchotographien, p. 55, 1851.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 339, 1876; iii, p. 453, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 442, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894.
Gillette and Baker, Hemip. Colo., p. 63, 1895.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 403.
Bueno, Jl. N. Y. Ent. Soc., x, p. 231, 1902.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 94, 1904.
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, pp. 46, 162, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
Parshley, Psyche, xxi, p. 140, 1914.
rugosa Fieber, Rhynchotographien, p. 52, 1851.
bicolor Fieber, Rhynchotographien, p. 52, 1851 (as var. of *rugosa*).
plagiata Fieber, Rhynchotographien, p. 52, 1851 (as var. of *rugosa*).
cordigera Fieber, Rhynchotographien, p. 52, 1851 (as var. of *rugosa*).
basalis Fieber, Rhynchotographien, p. 52, 1851 (as var. of *rugosa*).

a. var. **impressa** Fieb.
Fieber, Rhynchotographien, p. 51, 1851.

b. var. **geala** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 404.

c. var. **odara** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 404.
Localities: Quebec, Ont., Me., Mass., Conn., N. Y., N. J., Ind., Dak., Neb., Colo., Mont., Idaho, Utah, Nev., N. Mex., Ariz., Calif., Ore., Vanc. Isd.

1358. **Notonecta montezuma** Kirk.

Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 402.
Champion, Biol. Centr. Am., Heter., ii, p. 369, pl. 22, figs. 8, 9, 1901.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 94, 1904.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 162, 1905.
Localities: Calif. (Mexico.)

1359. **Notonecta mexicana** Am. & Serv.

Amyot and Serville, Hémip., p. 453, pl. 8, fig. 7, 1843.
Fieber, Rhynchotographien, p. 51, 1851.
Herrich–Schaeffer, Wanz. Ins., ix, p. 43, fig. 903, 1853.
Uhler, Stand. Nat. Hist., ii, p. 252, 1884.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 292, 1894.
Gillette and Baker, Hemip. Colo., p. 63, 1895.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 401.
Champion, Biol. Centr. Am., Heter., ii, p. 368, pl. 23, figs. 6, 7, 1901.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 158, 1905.
Snow, Trans. Kan. Acad. Sci., xx, pt. 2, p. 160, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
klugii Fieber, Rhynchotographien, p. 50, 1851.

a. var. **ceres** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 402.

b. var. **hades** Kirk.
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 402.
Localities: Colo., Ariz., Calif. (Mexico.)

Genus **Buenoa** Kirk.
Orthotype *antigone* Kirk.

Kirkaldy, Wien. Ent. Zeit., xxiii, p. 120, 1904.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 153, 1906 (listed only).
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 200, 1908.
Bueno, Jl. N. Y. Ent. Soc., xvii, p. 74, 1909.

1360. **Buenoa albida** (Champ.)

Champion, Biol. Centr. Am., Heter., ii, p. 373, pl. 22, fig. 14, 1901, *Anisops.*
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 121, 1904.
Localities: Texas. (Mexico.)

1361. **Buenoa carinata** (Champ.)

Champion, Biol. Centr. Am., Heter., ii, p. 372, pl. 22, fig. 12, 1901, *Anisops.*
Uhler, Proc. U. S. Natl. Mus., xxvii, p. 364, 1904.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 200, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: Fla., N. Mex., Calif. (Neotropical.)

1362. **Buenoa margaritacea** Bueno

Bueno, Jl. N. Y. Ent. Soc., xvi, p. 238, 1908 (n.n. for †*platycnemis* Bueno).
Bueno, Jl. N. Y. Ent. Soc., xvii, p. 76, 1909; xviii, p. 33, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 170, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
†*platycnemis* (Uhler), Stand. Nat. Hist., ii, p. 253, 1884, *Anisops.*
Bueno, Jl. N. Y. Ent. Soc., x, p. 236, 1902 (description).
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 123, 1904.

†*pallipes* (Kirkaldy), Entomologist, xxxii, p. 30, 1899, *Anisops.*
Anisops sp., Bueno, Jl. N. Y. Ent. Soc., xiii, p. 46, 1905.
†*albida?* Bueno and Brimley, Ent. News, xviii, p. 436, 1907.
Localities: N. Y., N. J., Ill., Fla.

1363. **Buenoa platycnemis** (Fieb.)

Fieber, Rhynchotographien, p. 61, 1851, *Anisops.*
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 153, 1906.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 238, 1908; xvii, p. 77, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 170, 1910.
?Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
Localities: N. Y., N. J., D. C., Ill., Texas, Calif.

1364. **Buenoa elegans** (Fieb.)

Fieber, Rhynchotographien, p. 61, 1851, *Anisops.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 238, 1908; xvii, p. 77, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 170, 1910.
Bueno, Can. Ent., xliv, p. 213, 1912.
Parshley, Psyche, xxi, p. 140, 1914.
Localities: Me., N. Y., N. J.

Subfamily PLEINAE (Fieb.)

Fieber, Genera Hydroc., p. 27, 1851, Turma *Pleae.*
Fieber, Rhynchotographien, p. 45, 1851, Gruppe *Pleae* (mere mention).
Fieber, Europ. Hemip., pp. 23, 31, 1860, Fam. *Pleae.*
Stål, Hemip. Afr., iii, p. 192, 1865, Fam. *Pleida.*
Douglas and Scott, Brit. Hemip., p. 48, 1865, Fam. *Pleidae.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 194, 1868, *Ploae.*
Berg, Hemip. Argent., p. 199, 1879, Fam. *Pleidae.*
Kirkaldy, Trans. Ent. Soc. Lond. for 1897, p. 395, *Pleinae.*
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 126, 1904.
Distant, Fauna Br. Ind., Rhyn., iii, p. 46, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 201, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 971, 1909.
Oshanin, Kat. Palae. Hemip., p. 90, 1912.

Genus **Plea** Leach
Haplotype *minutissima* (Fussl.)

Leach, Trans. Linn. Soc. Lond., xii, pp. 11, 13, 1817.
Latreille, Fam. Nat. Règne Anim., p. 425, 1825.
Fallén, Hemip. Suec., Cimic., p. 173, 1829.
Stephens, Nomen. Brit. Ins., p. 66, 1829 (amended to *Ploa*).
Laporte, Essai Classif. Syst. Hémip., p. 21, 1832 (names *minutissima* type).
Burmeister, Handb. d. Ent., ii, p. 189, 1835, *Ploa.*
Brullé, Hist. Nat. des Ins., ix, p. 255, 1835, *Ploa.*
Spinola, Essai sur les Hémip., p. 59, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 89, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (cites *minutissima*
Amyot and Serville, Hémip., p. 449, 1843, *Ploa.* [as type).
Fieber, Ent. Monog., p. 16, 1844, *Ploa.*
Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Genera Hydroc., p. 27, 1851.

Herrich–Schaeffer, Wanz. Ins., ix, p. 45, 1853, *Ploa.*
Fieber, Europ. Hemip., pp. 31, 101, 1860.
Stål, Hemip. Afr., iii, p. 192, 1865.
Douglas and Scott, Brit. Hemip., p. 590, 1865, *Ploea.*
Walker, Cat. Heter., viii, p. 201, 1873.
Puton, Synop. Heter. Fr., i, p. 215, 1880.
Champion, Biol. Centr. Am., Heter., ii, p. 375, 1901.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 126, 1904.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 47, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 201, 1908 (catalogue).

1365. **Ploa striola** Fieb.

Fieber, Ent. Monog., p. 18, 1844.
Uhler, Stand. Nat. Hist., ii, p. 253, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1893, p. 706; for 1894, p. 224.
Champion, Biol. Centr. Am., Heter., ii, p. 375, pl. 22, fig. 17, 1901.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 47, 1902.
Kirkaldy, Wien. Ent. Zeit., xxiii, p. 127, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 170, 1910.
Bueno, Can. Ent., xliv, p. 213, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914.
Localities: Mass., N. Y., N. J., Fla., Ill., Ia., Kan., Texas, Calif. (Neotropical.)

PHALANX *NEPAEFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 62, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Family **NAUCORIDAE** (Fall.)

Fallén, Spec. Nov. Disp. Meth., pp. 3, 15, 1814, *Naucoridea.*
Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815; Am. edn., viii, p. 712, 1832, [*Naucorida.*
Amyot and Serville, Hémip., p. 426, 1843, Groupe *Naucorides.*
Fieber, Genera Hydroc., p. 16, 1851, *Naucoridae.*
Dohrn, Cat. Hemip., p. 54, 1859, *Naucoridae.*
Flor, Rhyn. Livl., i, pp. 751, 752, 1860, *Naucoridea.*
Stål, Of. Vet. Akad. Forh., xviii, p. 201, 1861, *Naucorida.*
Stål, Hemip. Afr., iii, p. 174, 1865, *Naucorida.*
Douglas and Scott, Brit. Hemip., p. 579, 1865, *Naucoridae.*
Mayr, Reise Freg. Novara, Zool. ii, Hemip., p. 182, 1868, *Naucorida.*
Stål, Enum. Hemip., v, p. 141, 1876.
Berg, Hemip. Argent., p. 186, 1879.
Uhler, Stand. Nat. Hist., ii, p. 259, 1884.
Puton, Cat. Hémip. Palae., edn. 3, p. 64, 1886, *Naucorides.*
Champion, Biol. Centr. Am., Heter., ii, p. 354, 1901.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 150, 1906.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 25, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 182, 1908.
Kirkaldy, Can. Ent., xl, p. 361, 1908.

Oshanin, Verz. Palae. Hemip., i, p. 957, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 2, pp. 63, 79, 1910.
Banks, Cat. Nearc. Hemip., p. 10, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 26, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 51, 1912.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Subfamily NAUCORINAE (Stål)

Stål, Enum. Hemip., v, p. 142, 1876, Div. *Naucoraria.*
Champion, Biol. Centr. Am., Heter., ii, p. 360, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 150, 1906.
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 25, 33, 1906.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 55, 1909.
Oshanin, Verz. Palae. Hemip., i, p. 959, 1909.
Oshanin, Kat. Palae. Hemip., p. 89, 1912, Tribe *Naucoraria.*

Genus **Pelocoris** Stål
Logotype *femoratus* P. B.

Stål, Enum. Hemip., v, pp. 142, 144, 1876.
Uhler, Stand. Nat. Hist., ii, p. 259, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 360, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 150, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 184, 1908.

1366. **Pelocoris femoratus** (P. B.)

Palisot-Beauvois, Ins. Rec. Afr. Am., p. 237, pl. Hemip. 20, fig. 4, 1805, [*Naucoris.*
Stål, Enum. Hemip., v, p. 144, 1876.
Uhler, Stand. Nat. Hist., ii, p. 259, 1884.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 291, 1894.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 223.
Champion, Biol. Centr. Am., Heter., ii, p. 360, 1900.
Bueno, Jl. N. Y. Ent. Soc., xi, p. 166, 1903; xiii, p. 43, 1905.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 237, 1908; xviii, p. 33, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 167, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 499, 1914. [*coris.*
poeyi (Guerin), Icon. Règne Anim., Ins., p. 352, pl. 57, fig. 5, 1844, *Nau-*
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 418, 1857, *Naucoris.*
Stål, Enum. Hemip., v, p. 144, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876.
Localities: Mass., N. Y., N. J., Pa., Md., "Carolina," Fla., Ill., Wis., Minn., Mich., Tenn., La.

1367. **Pelocoris biimpressus** Montd.

Montandon, Bul. Soc. Sci. Bucarest, vii, p. 285, 1898 (as variety).
Champion, Biol. Centr. Am., Heter., ii, p. 361, 1901 (as variety).
Locality: "N. Am." (Stål).

1368. **Pelocoris carolinensis** Bueno

Bueno, Can. Ent., xxxix, p. 227, 1907.
Bueno and Brimley, Ent. News, xviii, p. 434, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.

Bueno, Psyche, xxii, p. 16, 1915.
†*poeyi* Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 439, 1878, *Naucoris.*
Localities: N. C., S. C.

Subfamily CRYPTOCRICINAE Montd.

Montandon, Verh. Zool. Bot. Ges. Wien, xlvii, p. 6, 1897, *Cryptocricinae*
Montandon, Bul. Mus. Paris for 1897, p. 124. [(synopsis).
Champion, Biol. Centr. Am., Heter., ii, p. 354, 1900.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 48, 1909.

Genus **Ambrysus** Stål
Logotype *signoreti* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 459, 1862.
Stål, Hemip. Afr., iii, p. 174, 1865.
Stål, Enum. Hemip., v, pp. 141, 143, 1876.
Montandon, Verh. Zool.-Bot. Ges. Wien, xlvii, pp. 6, 11, 1897 (synopsis).
Montandon, Bul. Mus. Paris. for 1897, pp. 129, 130.
Champion, Biol. Centr. Am., Heter., ii, p. 355, 1900.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 185, 1908.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 316, 1909 (synopsis).

1369. **Ambrysus pulchellus** Montd.

Montandon, Verh. Zool. Bot. Ges. Wien, xlvii, pp. 11, 16, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 356, pl. 21, fig. 4, 1900.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 319, 1909.
a. var. **pallidulus** Montd.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 189, 1910.
Localities: Texas. (Guatemala.)

1370. **Ambrysus pudicus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 460, 1862.
Stål, Enum. Hemip., v, p. 143, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 291, 1894.
Montandon, Verh. Zool. Bot. Ges. Wien, xlvii, pp. 12, 17, 1897.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 320, 1909.
Localities: Wyo., Calif. (Mexico.)

1371. **Ambrysus circumcinctus** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xix, No. 3, p. 5, 1910.
Locality: Texas.

1372. **Ambrysus californicus** Montd.

Montandon, Verh. Zool.-Bot. Ges. Wien, xlvii, pp. 12, 18, 1897.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 320, 1909.
Locality: Calif.

1373. **Ambrysus melanopterus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 460, 1862.
Stål, Enum. Hemip., v, p. 143, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876.
Montandon, Verh. Zool.-Bot. Ges. Wien, xlvii, pp. 12, 19, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 357, pl. 21, fig. 7, 1900.

Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 186, 1908.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 320, 1909.
Localities: Texas, Ariz. (Mexico.)

1374. **Ambrysus mormon** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xviii, No. 1, p. 48, 1909; p. 188, 1910.
Localities: Utah, N. Mex.

1375. **Ambrysus heidemanni** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 188, 1910.
Locality: Wyo.

1376. **Ambrysus puncticollis** Stål

Stål, Enum. Hemip., v, p. 143, 1876.
Montandon, Verh. Zool.-Bot. Ges. Wien, xlviii, pp. 13, 20, 1897.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 322, 1909.
Localities: Texas, Ariz.

1377. **Ambrysus guttatipennis** Stål

Stål, Enum. Hemip., v, p. 143, 1876.
Montandon, Verh. Zool.-Bot. Ges. Wien, xlvii, pp. 13, 22, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 357, pl. 21, fig. 10, 1900.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 322, 1909.
Localities: Ariz. (Mexico.)

1378. **Ambrysus signoreti** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 460, 1862.
Uhler, Hayden's Surv. Terr., Rept. for 1871, p. 423, 1872.
Stål, Enum. Hemip., v, p. 143, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1331.
Uhler, Stand. Nat. Hist., ii, p. 260, fig. 319, 1884.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 291, 1894.
Gillette and Baker, Hemip. Colo., p. 63, 1895.
Montandon, Verh. Zool.-Bot. Ges. Wien, xlvii, pp. 13, 23, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 358, pl. 21, fig. 11, 1900.
Snow, Trans. Kan. Acad. Sci., xx, pt. 1, p. 180, 1906.
Montandon, Bul. Soc. Sci. Bucarest, xvii, p. 323, 1909.
Localities: Colo., N. Mex., Ariz., Calif. (Mexico.)

Family **NEPIDAE** (Latr.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 252, 1802, *Nepariae.*
Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815, *Nepida.*
Billberg, Enum. Ins. Mus. Billb., p. 66, 1820, *Nepaedes.*
Fallén, Hemip. Suec., Cimic., p. 168, 1829, Fam. *Nepidae.*
Amyot and Serville, Hémip., pp. li, 437, 1843, Groupe *Nepides.*
Fieber, Genera Hydroc., p. 22, 1851, Turma *Nepeae.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 19, 1853, *Nepides.*
Dohrn, Cat. Hemip., p. 55, 1859, *Nepidae.*

Flor, Rhyn. Livl., i, pp. 751, 755, 1860, *Nepina.*
Fieber, Europ. Hemip., pp. 23, 31, 101, 1860, *Nepae.*
Stål, Of. Vet. Akad. Forh., xviii, p. 202, 1861, *Nepida.*
Stål, Hemip. Afr., iii, p. 185, 1865, *Nepida.*
Douglas and Scott, Brit. Hemip., pp. 45, 581, 1865, *Nepina.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 188, 1868, *Nepida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 706, 1870, *Nepina.*
Walker, Cat. Heter., viii, pp. 170, 185, 1873.
Berg, Hemip. Argent., p. 194, 1879.
Uhler, Stand. Nat. Hist., ii, p. 253, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 352, 1901.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 17, 1906.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 153, 1906.
Kirkaldy, Can. Ent., xl, p. 360, 1908.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 202, 1908.
Oshanin, Verz. Palae. Hemip., i, p. 966, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 62, 79, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 26, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 51, 1912.
Oshanin, Kat. Palae. Hemip., p. 90, 1912.

Hydrocorides Fallén, Spec. Nova Hemip., Disp. Meth., pp. 3, 14, 1814.

Genus **Nepa** Linn.
Logotype *cinerea* Linn.

Linnaeus, Syst. Nat., edn. 10, i, p. 440, 1758.
Scopoli, Ent. Carn., p. 119, 1763 (*cinerea* only species).
Brunnich, Entomologia, p. 58, 1764.
Fabricius, Syst. Ent., p. 691, 1775.
Goeze, Ent. Beytr., ii, p. 171, 1778.
Retzius, Genera et Spec. Ins., p. 90, 1783.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2120, 1788.
Thunberg, Charac. Genera Ins., edn. 2, p. 33, 1791.
Fabricius, Ent. Syst., iv, p. 61, 1794.
Latreille, Précis, p. 87, 1797.
Lamarck, Syst. Anim. s. Vert., p. 295, 1801 (lists *linearis* and *cinerea*).
Latreille, Hist. Nat. Crust. Ins., iii, p. 252, 1802 (*cinerea* only species).
Walckenaer, Fauna Paris., ii, p. 334, 1802 (for *cinerea* only).
Fabricius, Syst. Rhyn., p. 106, 1803 (no type indicated).
Latreille, Genera Crust. Ins., iii, p. 147, 1807 (mentions *cinerea* only).
Latreille, Consid. Génl., pp. 261, 434, 1810 (names *cinerea* type, valid).
Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815.
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 516, 1816.
Latreille, Fam. Nat. Règne Anim., p. 425, 1825.
Fallén, Hemip. Suec., Cimic., pp. 168, 170, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 18, 1832 (names *cinerea* type).
Herrich-Schaeffer, Nomen. Ent., i, pp. 38, 63, 1835.
Burmeister, Handb. d. Ent., ii, p. 195, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 263, 1835.
Spinola, Essai sur les Hémip., p. 52, 1837.
Blanchard, Hist. Nat. des Ins., Hémip., p. 90, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (names *cinerea*
Amyot and Serville, Hémip., p. 437, 1843. [type).

Herrich-Schaeffer, Wanz. Ins., viii, p. 19, 1848.
Spinola, Tavola Sinot., p. 48, 1850.
Fieber, Genera Hydroc., p. 23, 1851.
Flor, Rhyn. Livl., i, p. 756, 1860.
Fieber, Europ. Hemip., pp. 31, 101, 1860.
Stål, Of. Vet. Akad. Forh., xviii, p. 202, 1861.
Stål, Hemip. Afr., iii, p. 185, 1865.
Douglas and Scott, Brit. Hemip., p. 583, 1865.
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 107, 1903.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 202, 1908.
‡*Hepa* Geoffroy, Hist. Abreg. des Ins., i, p. 479, 1762.
Fourcroy, Ent. Paris., p. 221, 1785.

1379. **Nepa apiculata** Uhl.

Uhler *in* Harris, Treat. Ins. Inj. Veg., edn. 3, p. 12, pl. 1, fig. 1, 1862.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 440, 1878.
Uhler, Stand. Nat. Hist., ii, p. 253, 1884.
Montandon, Bul. Soc. Sci. Bucarest, viii, p. 511, 1898; xii, p. 101, 1903.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905.
Bueno, Jl. N. Y. Ent. Soc., xviii, p. 180, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 157, 1910.
Severin, Jl. N. Y. Ent. Soc., xix, p. 99, 1911.
Severin, Behavior Monographs, i, No. 3, 1911 (death feigning).
†*cinerea* Ferrari, Ann. k. k. Nat. Hofm. Wien, iii, p. 191, 1888 (part).
Localities: Quebec, Ont., Mass., R. I., N. Y., N. J., Pa., Md., D. C., Ga., Ohio, Mich., Ill. (Mexico.)

Genus **Curicta** Stål
Haplotype *scorpio* Stål

Stål, Of. Vet. Akad. Forh., xviii, pp. 202, 203, 1861.
Stål, Hemip. Afr., iii, p. 185, 1865.
Champion, Biol. Centr. Am., Heter., ii, p. 352, 1901.
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 97, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 154, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 202, 1908.
Helotenthes Berg, Hemip. Argent., p. 194, 1879 (type *bonaerensis* Berg).
Nepoidea Montandon, Ann. Soc. Ent. Belg., xxxix, p. 476, 1895 (type [*volxemi* Montd.).

1380. **Curicta howardi** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 181, 1910.
Locality: Texas.

Genus **Ranatra** Fabr.
Logotype *linearis* (Linn.)

Fabricius, Nova Ins., Genera *in* Skrift. Nat. Selskabet, i, p. 227, 1790.
Fabricius, Ent. Syst., iv, p. 64, 1794.
Latreille, Précis, p. 87, 1797.
Latreille, Hist. Nat. Crust. Ins., iii, p. 252, 1802 (names *linearis* as example).
Walckenaer, Fauna Paris., ii, p. 335, 1802 (*linearis* only species).
Fabricius, Syst. Rhyn., p. 108, 1803.
Latreille, Hist. Nat. Crust. Ins., xii, p. 280, 1804 (gives *linearis* as example).
Latreille, Genera Crust. Ins., iii, p. 148, 1907 (*linearis* only species).

Latreille, Consid. Génl., pp. 261, 434, 1810 (names *linearis* type, valid).
Leach, Edinbg. Encyc., ix, p. 124, 1815 (for *linearis*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 515, 1816.
Fallén, Hemip. Suec., Cimic., p. 169, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 17, 1832 (cites *linearis* as type).
Leach *in* Brewster's Edinbg. Encyc., Am. edn., viii, p. 713, 1832 (for *linearis*).
Herrich–Schaeffer, Nomen. Ent., i, pp. 38, 63, 1835.
Burmeister, Handb. d. Ent., ii, p. 199, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 260, 1835.
Spinola, Essai sur les Hémip., p. 52, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hémip., p. 90, 1840. [as type).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (cites *linearis*
Amyot and Serville, Hémip., p. 441, 1843.
Spinola, Tavola Sinot., p. 48, 1850.
Fieber, Genera Hydroc., p. 23, 1851.
Herrich–Schaeffer, Wanz. Ins., ix, p. 30, 1853.
Flor, Rhyn. Livl., i, p. 763, 1860.
Fieber, Europ. Hemip., pp. 32, 102, 1860.
Stål, Of. Vet. Akad. Forh., xviii, p. 203, 1861.
Stål, Hemip. Afr., iii, pp. 186, 189, 1865.
Douglas and Scott, Brit. Hemip., p. 581, 1865.
Uhler, Stand. Nat. Hist., ii, p. 254, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 198, 1888.
Champion, Biol. Centr. Am., Heter., ii, p. 353, 1901.
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 107, 1903.
Distant, Fauna Br. Ind., Rhyn,. iii, p. 19, 1904 (names *filiformis* pseudotype).
Holmes, Biol. Bul., xii, p. 158, 1907 (habits).
Oshanin, Kat. Palae. Hemip., p. 90, 1912 (cites *linearis* as type).

1381. **Ranatra fusca** P. B.

Palisot–Beauvois, Ins. Rec. Afr. Am., p. 235, 1805.
?Uhler, Stand. Nat. Hist., ii, p. 254, 1884.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894.
Kirkaldy, Can. Ent., xxxv, p. 235, 1903 (stridulation).
Montandon, Ann. Soc. Ent. Fr., xxxvi, p. 63, 1907.
Montandon, Bul. Soc. Sci. Bucarest, xix, p. 63, 1910.
kirkaldyi Bueno, Can. Ent., xxxvii, p. 187, 1905.
Bueno and Brimley, Ent. News, xviii, p. 439, 1907.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 183, 1910.
Severin, Jl. N. Y. Ent. Soc., xix, p. 100, 1911.
Localities: Ont. N. Y., N. J., N. C., Fla., Ill., Mich.

1382. **Ranatra nigra** H. S.

Herrich–Schaeffer, Wanz. Ins., ix, p. 32, 1853.
Montandon, Bul. Soc. Sci. Bucarest, xix, p. 64, 1910.
?fusca Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876.
†*fusca* Kirkaldy, Can. Ent., xxxvii, p. 188, 1905.
Bueno and Brimley, Ent. News, xviii, p. 438, 1907.
?Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Localities: N. C., Fla., La.

1383. **Ranatra americana** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xix, p. 65, 1910.

Bueno, Can. Ent., xliv, p. 213, 1912.
Bueno, Psyche, xxii, p. 16, 1915.
†*quadrinotata* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 441, 1878.
Uhler, Stand. Nat. Hist., ii, p. 255, 1884.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894.
Gillette and Baker, Hemip. Colo., p. 63, 1895.
Champion, Biol. Centr. Am., Heter., ii, p. 354, 1901.
Bueno, Can. Ent., xxxvii, pp. 85 (stridulation), 188, 1905.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 153, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 288, 1906.
Bueno, Can. Ent., xxxviii, p. 242, 1906 (life history).
Severin, Jl. N. Y. Ent. Soc., xix, p. 100, 1911.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 235, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.

a. var. **edentula** Montd.
Montandon, Bul. Soc. Sci. Bucarest, xix, p. 66, 1910.
†*fusca* Provancher, Pet. Faune Ent. Can., iii, p. 199, 1888.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., Fla., Ill., Colo., Texas.

1384. **Ranatra brevicollis** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 184, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
Locality: Calif.

1385. **Ranatra protensa** Montd.

Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 185, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Bueno, Psyche, xxii, p. 16, 1915.
†*fusca* Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 440, 1878.
Localities: N. Y., Fla.

1386. **Ranatra annulipes** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 241, 1854.
Montandon, Ann. Soc. Ent. Fr., lxxvi, p. 58, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 203, 1908.
fabricii Guerin *in* Sagra, Hist. de Cuba, vii, Ins., p. 176, 1857.
Barber, Brookl. Inst. Sci. Bul., i, p. 288, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 203, 1908.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 184, 1910.
Localities: Texas. (Neotropical.)

[**Ranatra grisea** Bueno MS]

Bueno *in* Smith's Cat. Ins. N. J., edn. 3, p. 158, 1910.
Locality: N. J.

Family BELOSTOMIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 123, 1815, *Belostomida.*
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 712, 1832, *Belostomida.*
Spinola, Tavola Sinot., p. 48, 1850, Subfam. *Belostomoideae.*
Fieber, Genera Hydroc., p. 18, 1851, Turma *Belostomae.*
Herrich–Schaeffer, Wanz. Ins., ix, p. 20, 1853, *Belostomides.*
Dohrn, Cat. Hemip., p. 54, 1859, *Belostomidae.*
Stål, Of. Vet. Akad. Forh., xviii, p. 204, 1861, *Belostomida.*
Stål, Hemip. Afr., iii, p. 178, 1865, *Belostomida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 183, 1868, *Belostomida.*
Stål, Of. Vet. Akad. Forh., xvii, p. 706, 1870, *Belostomina.*
Berg, Hemip. Argent., p. 189, 1879.
Uhler, Stand. Nat. Hist., ii, p. 255, 1884.
Uhler, Check List, p. 28, 1886, *Belostomatidae.*
Champion, Biol. Centr. Am., Heter., ii, p. 361, 1901, *Belostomidae.*
Distant, Fauna Br. Ind., Rhyn., iii, p. 34, 1906, *Belostomatidae.*
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906, *Belostomatidae.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 187, 1908, *Belostomatidae*
Kirkaldy, Can. Ent., xl, p. 361, 1908, *Belostomidae.* [(catalogue).
Oshanin, Verz. Palae. Hemip., i, p. 962, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 62, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 26, 1911. [*Belostomatidae.*
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 51, 1912,
Oshanin, Kat. Palae. Hemip., p. 90, 1912, *Belostomatidae.*

Genus **Benacus** Stål

Orthotype *haldemanum* Leid. = *griseus* (Say)

Stål, Of. Vet. Akad. Forh., xix, p. 205, 1861.
Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, pp. 342, 358, 1863.
Stål, Hemip. Afr., iii, p. 179, 1865.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 402, 428, 1871.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
Bueno, Can Ent., xxxix, p. 336, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 187, 1908 (catalogue).

1387. **Benacus griseus** (Say)

Say, Heter, N. Harm., p. 37, 1832; Fitch reprint, p. 809; Compl. Writ., i, p. [365, *Belostoma.*
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 400, 1863, *Belostoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 237, 1876.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 441, 1878.
Uhler, Stand. Nat. Hist., ii, p. 256, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 197, 1888, *Belostoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894.
Howard, Insect Book, p. 29, fig. 36, 1905.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905.
Bueno and Brimley, Ent. News, xviii, p. 434, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 237, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 184, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914. [*Belostoma.*
haldemanus (Leidy), Jl. Acad. Nat. Sci. Phila., ser. 2, i, p. 66, 1847,
Stål, Of. Vet. Akad. Forh., xviii, p. 205, 1861 (description).
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 363, 1863, *Belostoma* (descrip-
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 428, 1871. [tion).
impressus (Haldemann), Proc. Acad. Nat. Sci. Phila., vi, p. 364, 1853,
[*Belostoma.*
harpax (Stål), Of. Vet. Akad. Forh., xi, p. 240, 1854, *Belostoma.*
angustatus (Guerin), Sagra, Hist. de Cuba, vii, p. 176, 1856, *Belostoma.*
?ruficeps (Dufour), Ann. Soc. Ent. Fr., ser. 4, iii, p. 382, 1863, *Belostoma.*
?distinctum (Dufour), Ann. Soc. Ent. Fr., ser. 4, iii, p. 382, 1863, *Belostoma.*
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., Md., D. C.,
W. Va., N. C., Ga., Fla., Ohio, Ill., Mich., Ky., Tenn., Minn.,
Ia., Mo., La., Texas. (West Indies.)

Genus **Lethocerus** Mayr
Type *cordofanus* Mayr

Mayr, Verh. Zool.-Bot. Ges. Wien, ii, p. 15, 1852 (founded on larva).
Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 363, 1863.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 188, 1908.
Kirkaldy, Can. Ent., xl, p. 164, 1908.
†*Belostoma* Latreille, Consid. Génl., pp. 260, 434, 1810 (names *grandis*
Fallén, Hemip. Suec., Cimic., p. 171, 1829. [pseudotype).
Laporte, Essai Classif. Syst. Hémip., p. 17, 1832 (names *grandis* pseudo-
Burmeister, Handb. d. Ent., ii, p. 195, 1835, *Belostomum.* [type).
Brullé, Hist. Nat. des Ins., ix, p. 266, 1835 (part).
Spinola, Essai sur les Hémip., p. 52, 1837 (for *grandis*).
Blanchard, Hist. Nat. des Ins., Hémip., p. 91, 1840 (part).
Amyot and Serville, Hémip., p. 427, 1843.
Spinola, Tavola Sinot., p. 48, 1850 (names *grandis* pseudotype).
Fieber, Genera Hydroc., p. 21, 1851.
Herrich-Schaeffer, Wanz. Ins., ix, p. 33, 1853.
Stål, Of. Vet. Akad. Forh., xviii, p. 205, 1861.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 379, 1863.
Mayr, Verh. Zool. Bot. Ges. Wien, xiii, p. 357, 1863.
Stål, Hemip. Afr., iii, pp. 179, 182, 1865.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 183, 1866.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 522, 1871.
Walker, Cat. Heter., viii, pp. 173, 174, 1873.
Berg, Hemip. Argent., p. 193, 1879.
Champion, Biol. Centr. Am., Heter., ii, p. 367, 1901.
Distant, Fauna Br. Ind., Rhyn., iii, p. 37, 1906 (names *indicum* pseudo-
Banks, Cat. Neark. Hemip., p. 9, 1910. [type).
Amorgius Stål, Hemip. Afr., iii, p. 179, 1865 (nomen nudum, no species).
Stål, Berl. Ent. Zeit., x, p. 168, 1867 (names *colossicum* type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
Bueno, Can. Ent., xxxix, p. 336, 1907. [Leidy).
Montandonista Kirkaldy, Entomologist, xxxiv, p. 6, 1901 (type *americanum*

1388. **Lethocerus americanus** (Leidy)

Leidy, Jl. Acad. Nat. Sci. Phila., vi, pp. 58, 66, 1847, *Belostoma* (as var. of
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876. [*grandis*).

Uhler, Stand. Nat. Hist., ii, p. 256, 1884, *Belostoma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Belostoma.*
Gillette and Baker, Hemip. Colo., p. 63, 1895, *Belostoma.*
Montandon, Ann. Soc. Ent. Belg., xl, p. 510, 1896, *Belostoma.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905, *Amorgius.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 237, 1908.
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Parshley, Psyche, xxi, p. 140, 1914.
litigiosum (Dufour), Ann. Soc. Ent. Fr., ser. 4, iii, p. 383, 1863, *Belostoma.*
†*griseum* (Stål), Of. Vet. Akad. Forh., xviii, p. 206, 1861, *Belostoma.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 427, 1871, *Belostoma.*
†*grande* Dimmock, Mass. Fish and Game Comm., Rept. for 1886, p. 69.
Localities: Quebec, Me., Mass., Conn., N. Y., N. J., Pa., Va., Ohio, Tenn., Ill., Mich., Minn., Colo., Texas, ?Calif.

1389. **Lethocerus obscurus** (Duf.)

Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 383, 1863, *Belostoma.*
Montandon, Ann. Soc. Ent. Belg., xl, p. 512, 1896, *Belostoma.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905 (*Amorgius*), xvi, p. 237, 1908.
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Bueno, Psyche, xxii, p. 17, 1915.
†*americanum* Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 441, 1878, *Belostoma.*
Localities: Mass., Conn., N. Y., N. J., Utah.

1390. **Lethocerus angustipes** (Mayr)

Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 427, 1871, *Belostoma.*
Montandon, Ann. Soc. Ent. Belg., xl, p. 511, 1896, *Belostoma.*
Champion, Biol. Centr. Am., Heter., ii, p. 368, pl. 22, fig. 3, 1901, *Belostoma.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 188, 1908.
Localities: Calif. (Mexico.)

1391. **Lethocerus uhleri** (Montd.)

Montandon, Ann. Soc. Ent. Belg., xl, p. 513, 1896, *Belostoma.*
Howard, Insect Book, pl. 29, fig. 25, 1905, *Belostoma.*
Bueno and Brimley, Ent. News, xviii, p. 434, 1907, *Montandonista.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 184, 1909, *Amorgius.*
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914. [*Belostoma.*
†*americanum* Uhler, Bul. U. S. Geol. Geog. Surv., i, pl. 21, fig. 38, 1876,
Localities: N. J., Pa., N. C., Fla., La., Wis., Kan.

1392. **Lethocerus annulipes** (H. S.)

Herrich-Schaeffer, Wanz. Ins., viii, p. 28, figs. 803, 804, 1846, *Belostoma.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 424, 427, 1871, *Belostoma.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876, *Belostoma.*
Uhler, Proc. Calif. Acad. Sci., ser, 2, iv, p. 291, 1894, *Belostoma.*
Montandon, Ann. Soc. Ent. Belg., xl, p. 514, 1896, *Belostoma.*
Champion, Biol. Centr. Am., Heter., ii, p 367, pl. 22, fig. 3, 1901, *Belostoma.*
ruficeps Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 382, 1863, *Belostoma.*
signoreti Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 382, 1863, *Belostoma.*
Localities: Texas, Colo., Calif. (Neotropical.)

Genus **Belostoma** Latr.

Haplotype *testaceo-pallidum* Latr. = *bosci* Lep. & Serv.

Latreille, Genera Crust. Ins., iii, p. 144, 1807.
Leach, Brewster's Edinbg. Encyc., ix, p. , 1815 (for *testaceo-pallidum*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 522, 1816 (*testaceo-pallidum* only
Le Peletier and Serville, Encyc. Méth., x, p. 273, 1825 (Sect. II). [species).
Leach, Edinbg. Encyc., Am. edn., viii, p. 712, 1832 (for *testaceo-pallidum*).
Montandon, Bul. Soc. Sci. Bucarest, ix, p. 270, 1900; xii, p. 113, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 190, 1908 (catalogue).

Zaitha Amyot and Serville, Hémip., p. 430, 1843 (type *stolli* A. & S. =
Fieber, Genera Hydroc., p. 20, 1851. [*testaceo-pallidum* Latr.).
Herrich-Schaeffer, Wanz. Ins., ix, p. 35, 1853.
Stål, Of. Vet. Akad. Forh., xviii, p. 205, 1861.
Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, pp. 342, 352, 1863.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, pp. 279, 386, 1863.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 400, 402, 1871.
Stål, Hemip. Afr., iii, p. 179, 1865.
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 187, 1866.
Walker, Cat. Heter., viii, p. 177, 1873.
Berg, Hemip. Argent., p. 189, 1879.
Uhler, Stand. Nat. Hist., ii, p. 257, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 364, 1901.
Banks, Cat. Neark. Hemip., p. 9, 1910. [*testaceum* Leidy).

Perthostoma Leidy, Jl. Acad. Nat. Sci. Phila., n.s., i, p. 59, 1847 (type

1393. **Belostoma flumineum** Say

Say, Heter. N. Harm., p. 38, 1832; Fitch reprint, p. 809; Compl. Writ., i, p. [364.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 388, 1863, *Zaitha*.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 416, 1871, *Zaitha*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876, *Zaitha*.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 441, 1878, *Zaitha*.
Uhler, Stand. Nat. Hist., ii, p. 257, 1884, *Zaitha*.
Provancher, Pet. Faune Ent. Can., iii, p. 198, 1888, *Zaitha*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 185, 1894, *Zaitha*.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905.
Bueno, Can. Ent., xxxviii, p. 189, 1906 (life history).
Bueno and Brimley, Ent. News, xviii, p. 435, 1907.
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 237, 1908.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 191, 1908.
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 188, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Severin, Jl. N. Y. Ent. Soc., xix, p. 99, 1911 (habits).
Severin, Behavior Monographs, i, No. 3, 1911 (death feigning).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Parshley, Psyche, xxi, p. 140, 1914.

aurantiacum Leidy, Jl. Acad. Nat. Sci. Phila., ser. 2, i, p. 60, 1847, *Zaitha*.
†*boscii* Uhler *in* Say, Compl. Writ., i, p. 365, 1859, *Perthostoma*.
†*micrantula* Gillette and Baker, Hemip. Colo., p. 63, 1895, *Zaitha*.

a. var. **immaculatum** Say

Say, Heter. N. Harm., p. 38, 1832; Fitch reprint, p. 809; Compl. Writ., i, [p. 365.
Leidy, Jl. Acad. Nat. Sci. Phila., ser. 2, i, p. 60, 1847 (as new).

Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ohio, Ind., Ill., Mich., Wis., Tenn., La., Colo., Ariz., Manitoba.

1394. **Belastoma lutarium** (Stål)

Stål, Of. Vet. Akad. Forh., xii, p. 190, 1855, *Zaitha.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 416, 1871, *Zaitha.*
Montandon, Bul. Soc. Sci. Bucarest, xviii, p. 187, 1910.
Bueno, Can. Ent., xliv, p. 213, 1912.
†*aurantiacum* Bueno and Brimley, Ent. News, xviii, p. 435, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 190, 1908.
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Localities: R. I., N. Y., N. J., N. C., Fla., La., Texas.

1395. **Belostoma boscii** Lep. & Serv.

Le Peletier and Serville, Encyc. Méth., x, p. 273, 1825.
Amyot and Serville, Hémip., p. 430, 1843, *Zaitha.*
Herrich–Schaeffer, Wanz. Ins., ix, p. 36, 1853, *Zaitha.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 354, 1863, *Zaitha.*
Montandon, Bul. Soc. Sci. Bucarest, ix, p. 271, 1900; xii, p. 117, 1903.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
anurus (Herrich–Schaeffer), Wanz. Ins., viii, p. 26, fig. 799, 1848, *Diplo-*
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 388, 1863, *Zaitha.* [*nychus.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 408, 412, 1871, *Zaitha.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 191, 1894, *Zaitha.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 223, *Zaitha.*
Champion, Biol. Centr. Am., Heter., ii, p. 365, pl. 22, fig. 1, 1901, *Zaitha.*
cupreomicans (Stål), Of. Vet. Akad. Forh., xi, p. 240, 1854, *Zaitha.*
Stål, Stet. Ent. Zeit., xxiii, p. 461, 1862, *Zaitha.*
subspinosa (Dufour), Ann. Soc. Ent. Fr., ser. 4, iii, p. 387, 1863, *Zaitha.*
Localities: "Carolina," Fla., Ariz., Calif. (Neotropical.)

1396. **Belostoma bifoveatum** (Hald.)

Haldeman, Standsbury's Exped. Gr. Salt Lake, p. 370, pl. 10, fig. 1, 1852, [*Zaitha.*
[May not be distinct from *boscii* Lep. & Serv.)
Locality: Texas.

1397. **Belostoma ellipticum** Latr.

Latreille *in* Humb. & Bompl. Obs. Zool., ii, p. 105, pl. 39, fig. 4, 1833.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 408, 415, 1871, *Zaitha.*
Champion, Biol. Centr. Am., Heter., ii, p. 365, pl. 22, fig. 2, 1901, *Zaitha.*
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 117, 1903.
Localities: Texas. (Mexico.)

1398. **Belostoma bakeri** Mont.

Montandon, Bul. Soc. Sci. Bucarest, xxii, p. 123, 1913.
Locality: Calif.

1399. **Belostoma fusciventris** (Duf.)

Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 389, 1863, *Zaitha.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 409, 417, 1871, *Zaitha.*

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876, *Zaitha.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 291, 1894, *Zaitha.*
Champion, Biol. Centr. Am., Heter., ii, p. 365, pl. 21, fig. 23, 1901, *Zaitha.*
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 180, 1906.
Barber, Brookl. Inst., Sci. Bul., i, p. 288, 1906, *Zaitha.*
Localities: Texas, N. Mex., Ariz., Calif. (Neotropical.)

1400. **Belostoma apache** Kirk.

Kirkaldy, Proc. Ent. Soc. Wash., x, p. 190, 1908 (n.n. for *minor* Duf.).
‖*minor* Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 391, 1863, *Zaitha.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 409, 417, 1871, *Zaitha.*
Champion, Biol. Centr. Am., Heter., ii, p. 366, pl. 21, fig. 24, 1901, [*Zaitha.*

a. var. **cubaensis** (Mayr)
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 417, 1871, *Zaitha.*
Localities: Calif. (Neotropical.)

1401. **Belostoma testaceum** (Leidy)

Leidy, Jl. Acad. Nat. Sci. Phila., ser. 2, i, p. 60, 1847, *Perthostoma.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 354, 1863, *Zaitha.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 409, 417, 1871, *Zaitha.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 44, 1905.
Bueno and Brimley, Ent. News, xviii, p. 435, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
reticulata (Haldeman), *in* Stansbury's Exped. Gr. Salt Lake, p. 370, 1852,
Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 354, 1863, *Zaitha.* [*Zaitha.*
Localities: N. Y., N. J., Pa., D. C., N. C., S. C., Mich., Texas.

Genus **Abedus** Stål
Logotype *ovatus* Stål

Stål, Stet. Ent. Zeit., xxiii, p. 461, 1862.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, pp. 379, 396, 1863.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 400, 401, 403, 1871.
Stål, Hemip. Afr., iii, p. 180, 1865.
Uhler, Stand. Nat. Hist., ii, p. 258, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 363, 1901.
Montandon, Bul. Soc. Sci. Bucarest, ix, Nos. 2, 3, p. 11, 1900.
Montandon, Bul. Soc. Sci. Bucarest, xii, pp. 110, 113, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
Bueno, Can. Ent., xxxix, p. 336, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 189, 1908.

Subgenus **Abedus** Stål

Stenoscytus Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, pp. 341, 343, 1863
[(type *mexicanus* Mayr = *ovatus* Stål).

1402. **Abedus ovatus** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 462, 1862.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 396, 1863.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 404, 1871.
Uhler, Wheeler's Surv. 100th Merid., v, p. 840, 1875.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876.

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 291, 1894.
Champion, Biol. Centr. Am., Heter., ii, p. 363, pl. 21, fig. 19, 1901.
mexicanus Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 347, pl. 11, figs. 6–10, [1863, *Stenoscytus.*

Localities: Texas, N. Mex., Ariz. (Mexico.)

1403. **Abedus breviceps** Stål

Stål, Stet. Ent. Zeit., xxiii, p. 462, 1862.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 396, 1863.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 404, 1871.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332.
Champion, Biol. Centr. Am., Heter., ii, p. 363, pl. 21, fig. 20, 1901.

Localities: N. Mex., Ariz. (Mexico.)

Subgenus **Deinostoma** Kirk.
Haplotype *dilatata* Say

Kirkaldy, Entomologist, xxx, p. 258, 1897 (n.n. for *Serphus* Stål).
Champion, Biol. Centr. Am., Heter., ii, p. 362, 1901.
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 113, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.
‖*Serphus* Stål, Stet. Ent. Zeit., xxiii, p. 462, 1862.
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, pp. 379, 395, 1863.
Stål, Hemip. Afr., iii, p. 179, 1865.
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, pp. 401, 403, 1871.

1404. **Abedus dilatatus** (Say)

Say, Heter. N. Harm., p. 38, 1832; Fitch reprint, p. 810; Compl. Writ., i, p. 366, *Belostoma.*
Stål, Stet. Ent. Zeit., xxiii, p. 462, 1862, *Serphus.*
Dufour, Ann. Soc. Ent. Fr., ser. 4, iii, p. 395, 1863, *Serphus.*
Mayr, Verh. Zool.-Bot. Ges. Wien, xxi, p. 403, 1871, *Serphus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876, *Serphus.*
Uhler, Stand. Nat. Hist., ii, p. 258, 1884, *Serphus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 292, 1894, *Serphus.*
Kirkaldy, Entomologist, xxx, p. 259, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 362, 1901.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
†*stollii* Herrich-Schaeffer, Wanz. Ins., ix, p. 35, fig. 898, 1853, *Zaitha.*

Localities: Ariz., Calif. (Mexico.)

Subgenus **Pedinocoris** Mayr
Logotype *macronyx* Mayr

Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, pp. 341, 347, 1863; xxi, pp. 401, 405, 1871.
Champion, Biol. Centr. Am., Heter., ii, p. 364, 1901.
Montandon, Bul. Soc. Sci. Bucarest, xii, p. 113, 1903.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 151, 1906.

1405. **Abedus macronyx** Mayr

Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 350, pl. 11, figs. 1–4, 1863.
Mayr, Ver. Zool.-Bot. Ges. Wien, xxi, p. 405, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 338, 1876.
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1331.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 292, 1894.

Kirkaldy, Entomologist, xxxi, p. 3, 1898.
Champion, Biol. Centr. Am., Heter., ii, p. 364, 1901.
Localities: Ariz., Calif. (Mexico.)

1406. **Abedus indentatus** (Hald.)

Haldeman, Proc. Acad. Nat. Sci. Phila., vi, p. 364, 1853, *Zaitha.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1331. [405, 1871.
brachyonyx Mayr, Verh. Zool.-Bot. Ges. Wien, xiii, p. 351, 1863; xxi, p.
Localities: Ariz., Calif.

Superfamily OCHTEROIDEAE Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 60, 1910.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.
Litoralia Fieber, Genera Hydroc., pp. 9, 12, 1851 (sub-section).
Fieber, Europ. Hemip., pp. 22, 23, 1860.

PHALANX *OCHTERIFORMES* Reut.

Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 61, 1910.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Family GELASTOCORIDAE Kirk.

Kirkaldy, Entomologist, xxx, p. 258, 1897.
Champion, Biol. Centr. Am., Heter., ii, p. 347, 1901.
Bueno, Ohio Nat., v, p. 290, 1905.
Banks, Cat. Nearc. Hemip., p. 10, 1910.
Galgulides Billberg, Enum. Ins. Mus. Billb., p. 66, 1820.
Laporte, Essai Classif Syst. Hémip., p. 15, 1852, Fam. *Galgulites.*
Burmeister, Handb. d. Ent., ii, p. 200, 1835, *Galgulini.*
Brullé, Hist. Nat. des Ins., ix, p. 272, 1835, *Galguliens.*
Spinola, Essai sur les Hémip., p. 60, 1837 (1840), *Galgulites.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 92, 1840, *Galguliens.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 463, 1840, *Galgulidae.*
Spinola, Tavola Sinot., pp. 27, 49, 1850, *Galgulitae.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 18, 1853, *Galgulini* (part).
Dohrn, Cat. Hemip., p. 53, 1859, *Galgulidae.*
Stål, Stet. Ent. Zeit., xxiii, p. 459, 1862, *Galgulida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 181, 1868, *Galgulina.*
Walker, Cat. Heter., viii, p. 170, 1873, *Galgulidae.*
Stål, Enum. Hemip., v, p. 137, 1876, *Galgulidae.*
Berg, Hemip. Argent, p. 184, 1879, *Galgulidae.*
Uhler, Stand. Nat. Hist., ii, p. 262, 1884, *Galgulidae.*
Oshanin, Verz. Palae. Hemip., i, p. 955, 1909, *Galgulidae.*
Nerthridae Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Bueno and Brimley, Ent. News, xviii, p. 433, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 180, 1908.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 61, 79, 1910.
Bueno *in* Smith, Cat. Ins. N. J., edn. 3, p. 167, 1910.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 50, 1912.
Mononychidae Horvath, Ann. Mus., Natl. Hung., ix, p. 25, 1911.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Subfamily GELASTOCORINAE Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 347, 1901.
Bueno, Ohio Nat., v, p. 290, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Bueno and Brimley, Ent. News, xviii, p. 433, 1907.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 180, 1908.
Galguloidea Fieber, Genera Hydroc., pp. 9, 13, 1851. (Family.)
Stål, Enum. Hemip., v, p. 137, 1876, *Galgulina.*
Berg, Hemip. Argent., p. 184, 1879, *Galgulina.*

Genus **Gelastocoris** Kirk.
Haplotype *oculata* Fabr.

Kirkaldy, Entomologist, xxx, p. 258, 1897 (n.n. for *Galgulus* Latr.).
Champion, Biol. Centr. Am., Heter., ii, p. 347, 1901.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 180, 1908.
Galgulus Latreille, Hist. Nat. Crust. Ins., iii, p. 253, 1901 (*oculata* only
Latreille, Hist. Nat. Crust. Ins., xii, p. 286, 1804. [species).
Latreille, Genera Crust. Ins., iii, p. 143, 1807.
Latreille, Consid. Génl., pp. 260, 434, 1810 (names *oculata* type).
Leach, Brewster's Edinburg Encyc., ix, p. 123, 1815 (for *oculatus*).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 509, 1816.
Latreille, Fam. Nat. Règne Anim., pp. 424, 425, 1825, *Galgule.*
Le Peletier and Serville, Encyc. Méth., x, p. 270, 1825.
Laporte, Essai Classif. Syst. Hémip., p. 16, 1832 (names *oculata* type).
Burmeister, Handb. d. Ent., ii, p. 201, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 274, 1835.
Spinola, Essai sur les Hémip., p. 62, 1837 (1840).
Herrich–Schaeffer, Wanz. Ins., v, p. 87, 1839.
Blanchard, Hist. Nat. des Ins., Hémip., p. 93, 1840.
Amyot and Serville, Hémip., p. 424, 1843.
Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Genera Hydroc., p. 13, 1851.
Herrich–Schaeffer, Wanz. Ins., ix, pp. 19, 24, 1853.
Walker, Cat. Heter., viii, p. 170, 1873.
Stål, Enum. Hemip., v, p. 137, 1876.
Berg, Hemip. Argent., p. 185, 1879.
Uhler, Stand. Nat. Hist., ii, p. 263, 1884.

1407. **Gelastocoris oculatus** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 525, 1798, *Naucoris.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 254, 1802, *Galgulus.*
Fabricius, Syst. Rhyn., p. 111, 1803, *Naucoris.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 287, 1804, *Galgulus.*
Leach, Edinbg. Encyc., ix, p. 123, 1815, *Galgulus.*
Le Peletier and Serville, Encyc. Méth., x, p. 271, 1825, *Galgulus.*
Burmeister, Handb. d. Ent., ii, p. 202, 1835, *Galgulus.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 93, 1840, *Galgulus.*
Amyot and Serville, Hémip., p. 424, 1843, *Galgulus.*
Stål, Hemip. Fabr., i, p. 133, 1868, *Galgulus.*
Walker, Cat. Heter., viii, p. 170, 1873, *Galgulus.*
Stål, Enum. Hemip., v, p. 137, 1876, *Galgulus.*

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 336, 1876, *Galgulus.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, *Galgulus.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 440, 1878, *Galgulus.*
Uhler, Stand. Nat. Hist., ii, p. 263, 1884, *Galgulus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 290, 1894, *Galgulus.*
Gillette and Baker, Hemip. Colo., p. 62, 1895, *Galgulus.*
Champion, Biol. Centr. Am., Heter., ii, p. 348, 1901.
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 43, 1905.
Bueno and Brimley, Ent. News, xviii, p. 433, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
?pulcher Stål, Of. Vet. Akad. Forh., xi, p. 239, 1854, *Galgulus.*
Localities: N. Y., N. J., Pa., Md., D. C., "Carolina," Ga., Fla., N. C., Ohio, Mich., Ill., Minn., Colo., Okla., Ariz.

1408. **Gelostocoris vicinus** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 349, 1901.
Localities: "Southern and Western States." (Neotropical.)

1409. **Gelastocoris variegatus** (Guer.)

Guerin, Icon. Ins., p. 352, 1844, *Galgulus.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 336, 1876, *Galgulus.*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1331, *Galgulus.*
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 290, 1894, *Galgulus.*
Champion, Biol. Centr. Am., Heter., ii, p. 349, pl. 20, figs. 19, 20, 1901.
Barber, Brookl. Inst., Sci. Bul., i, p. 288, 1906.
?Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
†*nebulosus* Stål, Enum. Hemip., v, p. 137, 1876, *Galgulus.*
Localities: Texas, N. Mex., Calif. (Neotropical.)

Subfamily MONONYCHINAE Fieb.

Fieber, Genera Hydroc., pp. 9, 12, 1851, Fam. *Mononycoidea.*
Stål, Of. Vet. Akad. Forh., xviii, p. 201, 1861, *Mononychida.*
Stål, Stet. Ent. Zeit., vii, p. 405, 1863, *Mononychida.*
Stål, Hemip. Afr., iii, p. 171, 1865, Fam. *Mononychida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 706, 1870, *Mononychina.*
Stål, Enum. Hemip., v, p. 138, 1876, *Mononychina.*
Berg, Hemip. Argent., p. 185, 1879, *Mononychina.*
Uhler, Check List., p. 27, 1886, *Mononychina.*
Champion, Biol. Centr. Am., Heter., ii, p. 350, 1901.
Distant, Fauna Br. Ind., Rhyn., iii, p. 14, 1906.
Bueno, Ohio Nat., v, p. 290, 1905.
Oshanin, Verz. Palae. Hemip., i, p. 956, 1909.
Nerthrinae Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 181, 1908.

Genus **Mononyx** Lap.
Orthotype *raptoria* Fabr.

Laporte, Essai Classif. Syst. Hémip., p. 16, 1832 (names *raptoria* type).
Burmeister, Handb. d. Ent., ii, p. 201, 1835.
Brullé, Hist. Nat. des Ins., ix, pp. 274, 275, 1835 (names *raptoria* type).
Spinola, Essai sur les Hémip., p. 63, 1837 (1840).
Blanchard, Hist. Nat. des Ins., Hemip., p. 93, 1840 (cites *raptoria* as type).

Amyot and Serville, Hémip., p. 425, 1843.
Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Genera Hydroc., p. 12, 1851.
Stål, Of. Vet. Akad. Forh., xviii, p. 201, 1861.
Stål, Berl. Ent. Zeit., vii, p. 405, 1863.
Stål, Hemip. Afr., iii, p. 171, 1865.
Stål, Enum. Hemip., v, p. 138, 1876.
Uhler, Stand. Nat. Hist., ii, p. 264, 1884.
Montandon, Bul. Soc. Sci. Bucarest, viii, p. 392, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 350, 1901.
Distant, Fauna Br. Ind., Rhyn., iii, p. 14, 1906 (cites *raptoria* as type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 181, 1908.

Phintius Stål, Of. Vet. Akad. Forh., xviii, p. 201, 1861 (logotype *sordidus* Stål, Berl. Ent. Zeit., vii, p. 407, 1863. [H. S.).
Stål, Hemip. Afr., iii, p. 172, 1865.
Stål, Enum. Hemip., v, p. 139, 1876.

1410. **Mononyx fuscipes** Guer.

Guerin, Rev. Zool. for 1843, p. 114.
Stål, Berl. Ent. Zeit., vii, p. 406, 1863.
Stål, Enum. Hemip., iii, p. 138, 1876.
Montandon, Bul. Soc. Sci. Bucarest, viii, pp. 395, 400, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 351, pl. 20, figs. 21, 22, 1901.

badius Herrich-Schaeffer, Wanz. Ins., ix, p. 27, fig. 894, 1853.
Stål, Stet. Ent. Zeit., xxiii, p. 459, 1862.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 337, 1876.

obscurus Stål, Of. Vet. Akad. Forh., xi, p. 239, 1854.

†*raptorius* Walker, Cat. Heter., viii, p. 171, 1873.
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 223.

?*stygicus* Uhler, Stand. Nat. Hist., ii, p. 264, 1884.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 290, 1894.
Howard, Insect Book, pl. 29, fig. 16, 1905.
Localities: Calif. (Neotropical.)

Genus **Nerthra** Say
Haplotype *stygica* Say

Say, Heter. N. Harm., p. 37, 1832; Fitch reprint, p. 808; Compl. Writ., i, p. 364.
Stål, Enum. Hemip., v, p. 139, 1876.
Kirkaldy, Entomologist, xxxi, p. 2, 1898.
Bueno, Ohio Nat., v, p. 287, 1905.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 150, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 182, 1908.

1411. **Nerthra stygica** Say

Say, Heter. N. Harm., p. 37, 1832; Fitch reprint, p. 808; Compl. Writ., i, p. 364.
Stål, Berl. Ent. Zeit., vii, p. 406, 1863, *Mononyx*.
Stål, Enum. Hemip., v, p. 139, 1876.
Uhler, Check List, p. 27, 1886, *Mononyx*.
Bueno, Ohio Nat., v, p. 288, figs. 1, 2, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Localities: Ga., Fla.

Family **OCHTERIDAE** Kirk.

Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 179, 1908 (catalogue).
Kirkaldy, Can. Ent., xl, p. 361, 1908.
Kirkaldy, Cat. Hemip., p. xxiv, 1909.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 61, 79, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 25, 1911.
Reuter, Of. Vet. Akad. Forh., liv, Afd. A, No. 6, pp. 48, 50, 1912.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Pelogonida Leach, Edinbg. Encyc., ix, p. 123, 1815.
Amyot and Serville, Hémip., pp. xlix, 407, 1843, Groupe *Pelogonides.*
Spinola, Tavola Sinot., pp. 27, 49, 1850, Fam. *Pelogonitae* (part).
Fieber, Genera Hydroc., pp. 9, 14, 1851, *Pelogonidea.*
Dohrn, Cat. Hemip., p. 52, 1859, *Pelogonidae.*
Fieber, Europ. Hemip., pp. 23, 32, 103, 1860, *Pelogonidae.*
Stål, Hemip. Afr., iii, p. 170, 1865, *Pelogonida.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 181, 1868, *Pelogonida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 706, 1870, *Pelogonina.*
Walker, Cat. Heter., viii, p. 158, 1873, *Pelogonidae.*
Stål, Enum. Hemip., v, p. 137, 1876, *Pelogonina.*
Puton, Cat. Hemip. Palae., edn. 3, p. 64, 1886, *Pelogonides.*
Champion, Biol. Centr. Am., Heter., ii, p. 344, 1900, *Pelogonidae.*
Distant, Fauna Br. Ind., Rhyn., iii, p. 13, 1906, *Pelogonidae.*
Bueno, Ohio Nat., v, p. 290, 1905, *Pelogonidae.*
Oshanin, Verz. Palae. Hemip., i, p. 955, 1909, *Pelogonina.*

Genus **Ochterus** Latr.
Haplotype *marginatus* Latr.

Latreille, Genera Crust. Ins., iii, p. 142, 1807.
Bergroth, Bul. Soc. Ent. Fr. for 1890, pp. lxvi, cxix.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 149, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 179, 1908.
Oshanin, Kat. Palae. Hemip., p. 89, 1912.

Pelogonus Latreille, Genera Crust. Ins., iv, p. 384, 1809 (n.n. for *Ochterus*).
Latreille, Consid. Génl., pp. 260, 434, 1810 (names *marginatus* type).
Latreille, Fam. Nat. Règne Anim., p. 423, 1825, *Pelogone.* [type).
Laporte, Essai Classif. Syst. Hémip., p. 13, 1832 (names *marginatus*
Leach, Brewster's Edinbg. Encyc., Am. edn., viii, p. 712, 1832.
Burmeister, Handb. d. Ent., ii, p. 202, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 276, 1835.
Spinola, Essai sur les Hemip., p. 75, 1837.
Blanchard, Hist. Nat. des Ins., Hémip., p. 93, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, p. 465, 1840.
Amyot and Serville, Hémip., p. 407, 1843.
Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Genera Hydroc., p. 14, 1851.
Herrich–Schaeffer, Wanz. Ins., ix, p. 23, 1853.
Fieber, Europ. Hemip., pp. 32, 103, 1860.
Stål, Hemip. Afr., iii, p. 170, 1865.
Walker, Cat. Heter., viii, p. 158, 1873.

Stål, Enum. Hemip., v, p. 137, 1876.
Uhler, Stand. Nat. Hist., ii, p. 262, 1884.
Champion, Biol. Centr. Am., Heter., ii, p. 344, 1901.
Distant, Fauna Br. Ind., Rhyn., iii, p. 13, 1906.
Oshanin, Ver. Palae. Hemip., i, p. 955, 1908.

1412. **Ochterus americanus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 335, 1876, *Pelogonus.*
Uhler, Stand. Nat. Hist., ii, p. 262, 1884, *Pelogonus.*
Bueno, Jl. N. Y. Ent. Soc., xiii, p. 43, 1905, *Pelogonus.*
Bueno and Brimley, Ent. News, xviii, p. 433, 1907.
Snow, Trans. Kans. Acad. Sci., xx, pt. 1, p. 180, 1906, *Pelogonus.*
Bueno, Jl. N. Y. Ent. Soc., xvi, p. 237, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 166, 1910.
Barber, Can. Ent., xlv, p. 213, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1914.
Localities: Mass., N. Y., N. J., Pa., Md., N. C., Fla., Ill., Neb., Texas, Ariz.

1413. **Ochterus banksi** Barb.

Barber, Can. Ent., xlv, p. 214, 1913.
Locality. Va.

1414. **Ochterus flaviclavus** Barb.

Barber, Can. Ent., xlv, p. 215, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 498, 1913.
Locality: Fla.

SERIES *SANDALIORRHYNCHA* Borner

Borner, Zool. Anzieg., xvii, p. 522, 1904 (as new suborder).
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 13, 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 91, 1912.
Bueno, Ann. Ent. Soc. Am., ix, p. 353, 1917 (as order).

Superfamily CORIXOIDEAE Reut.

Reuter, Acta Finska Vet. Soc. Forh., liv, Afd. A, No. 6, p. 48, 1912.
Oshanin, Kat. Palae. Hemip., p. 91, 1912.

Family CORIXIDAE Leach

Leach, Brewster's Edinbg. Encyc., ix, p. 124, 1815; Am. edn., viii, p. 713, 1832, [*Corixida.*
Amyot and Serville, Hémip., pp. li, 444, 1843, Groupe *Corisides.*
Fieber, Genera Hydroc., p. 9, 1851, *Corisidea.*
Dohrn, Cat. Hemip., p. 55, 1859, *Corixidae.*
Flor, Rhyn. Livl., i, pp. 752, 775, 1860, *Corisidea.*
Fieber, Europ. Hemip., pp. 22, 31, 89, 1860, *Corisae.*
Douglas and Scott, Brit. Hemip., p. 49, 1865, *Corixina.*
Mayr, Reise Freg. Novara, Zool., ii, Hemip., p. 193, 1868, *Corisida.*
Uhler, Stand. Nat. Hist., ii, p. 250, 1884, *Corisidae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 65, 1886, *Corixides.*
Champion, Biol. Centr. Am., Heter., ii, p. 375, 1901.

Distant, Fauna Br. Ind., Rhyn., iii, p. 49, 1906.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 152, 1906.
Kirkaldy, Can. Ent., xl, p. 362, 1908.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 193, 1908.
Kirkaldy, Cat. Hemip., i, p. xxv, 1909.
Oshanin, Verz. Palae. Hemip., i, p. 978, 1909.
Distant, Fauna Brit. Ind., Rhyn., v, p. 339, 1910.
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, pp. 63, 80, 1910.
Horvath, Ann. Mus. Natl. Hung., ix, p. 27, 1911.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 6, pp. 48, 50, 1912.
Oshanin, Kat. Palae. Hemip., p. 91, 1912.
Sigarida Stål, Hemip. Afr., iii, p. 193, 1865.

Genus **Tenagobia** Bergr.
Haplotype *marmorata* Bergr.

Bergroth, Ent. Mo. Mag., xxxv, p. 282, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 383, 1901.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 152, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 193, 1908.

1415. **Tenagobia socialis** (White)

B. White, Trans. Ent. Soc. Lond. for 1879, p. 174, *Sigara.*
Uhler, Proc. Zool. Soc. Lond. for 1894, p. 224, *Sigara.*
Champion, Biol. Centr. Am., Heter., ii, p. 383, pl. 22, fig. 27, 1901.
Localities: Calif. (Neotropical.)

Genus **Callicorixa** White
Logotype *praeusta* Fieb.

B. White, Ent. Mo. Mag., x, p. 62, 1873.
Puton, Synop. Heter. Fr., i, p. 232, 1879, Subgen. *Callicorisa.*
Wallengren, Ent. Tidskr., xv, p. 137, 1894, Subgen. *Callicorisa.*
Kirkaldy, Entomologist, xxxi, p. 253, 1898 (names *praeusta* type).
Kirkaldy, Jl. Quekett Micros. Club, ser. 2, No. 48, p. 40, 1901.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 152, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 193, 1908.
Kirkaldy, Can. Ent., xl, p. 117, 1908.

1416. **Callicorixa praeusta** (Fieb.)

Fieber, Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 521, pl. 10, figs. 14, 22, 1848, *Corisa.*
Fieber, Spec. Generis Corisa, p. 28, pl. 1, No. 17, figs. 1–18, 1851, *Corisa.*
Flor, Rhyn. Livl., i, p. 787, 1860, *Corisa.*
Fieber, Europ. Hemip., p. 95, 1860, *Corisa.*
White, Ent. Mo. Mag., x, p. 76, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876, *Corixa.*
Puton, Synop. Heter. Fr., i, p. 233, 1879, *Corisa.*
Saunders, Heter. Brit. Isds., pp. 333, 339, 1892, *Corisa.*
Wallengren, Ent. Tidskr, xv, p. 138, 1894.
Oshanin, Verz. Palae. Hemip., i, p. 993, 1909.
Localities: Alaska: (Palaearctic.)

1417. **Callicorixa kollarii** (Fieb.)

Fieber, Spec. Generis Corisa, p. 17, pl. 1, No. 7, 1851, *Corisa.*
Guerin, Sagra, Hist. de Cuba, Ins., p. 177, pl. 13, fig. 14, 1857, *Corisa.*

Champion, Biol. Centr. Am., Heter., ii, p. 377, pl. 22, fig. 18, 1901, *Corixa.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 497, 1914.
†*cubae* Uhler, Proc. Zool. Soc. Lond. for 1894, p. 224, *Corixa.*
Localities: "Canada," Mass., Pa., Fla., Texas, Alaska. (Palaearctic.)

1418. **Callicorixa geblerii** (Fieb.)

Fieber, Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 522, 1848, *Corisa.*
Fieber, Spec. Generis Corisa, p. 29, pl. 2, fig. 10, 1851, *Corisa.*
Fieber, Europ. Hemip., p. 96, 1860, *Corisa.*
Oshanin, Verz. Palae. Hemip., i, p. 996, 1909.
Localities: Alaska. (Palaearctic.)

Genus **Ramphocorixa** Abbott
Haplotype *balanodis* Abbott

Abbott, Can. Ent., xliv, p. 120, 1912.

1419. **Ramphocorixa balanodis** Abbott

Abbott, Can. Ent., xliv, p. 118, 1912.
Abbott, Am. Nat., xlvi, p. 553, 1912 (habits).
Locality: Mo.

Genus Arctocorixa Wallen
Logotype *carinata* Sahlbg.

Wallengren, Ent. Tidskr., xv, pp. 133, 150, 1894.
Kirkaldy, Jl. Quekett Micros. Club, ser. 2, No. 48, p. 41, 1901 (as subgenus).
Kirkaldy, Entomologist, xxxix, p. 62, 1906.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 152, 1906.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 194, 1908.
Kirkaldy, Can. Ent., xl, p. 118, 1908.
Basileocorixa Kirkaldy, Entomologist, xxxi, p. 253, 1898 (n.n. for *Corixa* [Auct., type *striata* Linn.).
†*Corixa* Thomson, Opusc. Ent., Fasc., i, p. 27, 1869, *Corisa.*
B. White, Ent. Mo. Mag., x, p. 62, 1873.
Puton, Synop. Heter. Fr., i, p. 222, 1879, *Corisa.*
Wallengren, Ent. Tidskr, xvi, p. 141, 1894, *Corisa.*

Subgenus **Arctocorixa** Wallen

Kirkaldy, Can. Ent., xl, p. 118, 1908.
[The species in this subgenus are arranged alphabetically, as no systematic study of our forms has been published.]

1420. **Arctocorixa abdominalis** (Say)

Say, Heter. N. Harm., p. 38, 1832; Fitch reprint, p. 811; Compl. Writ., i, p. [366, *Corixa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 294, 1894, *Corixa.*
Champion, Biol. Centr. Am., Heter., ii, p. 381, pl. 22, fig. 25, 1901, *Corixa.*
bimaculata (Guerin), Icon. Règne Anim., Ins., p. 354, 1844, *Corixa.*
Fieber, Spec. Generis Corisa, p. 42, 1851, *Corisa.*
Walker, Cat. Heter., viii, p. 199, 1873, *Corixa.*
femorata (Guerin), Bul. Soc. Zool. Acclim., iv, p. 581, 1857, *Corixa.*
Guerin, Rev. Zool. for 1857, p. 526, *Corixa.*
Localities: Texas, Calif. (Mexico.)

1421. **Arctocorixa acuminata** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 392, 1897, *Corixa.*
Localities: Ill., Texas.

1422. **Arctocorixa alternata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 329, 1825; Compl. Writ., ii, p. 251, [*Corixa.*
Fieber, Spec. Generis Corisa, p. 43, 1851, *Corisa* (note).
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332, *Corixa.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 446, 1878, *Corixa.*
Provancher, Pet. Faune Ent. Can., iii, p. 203, 1888, *Corisa.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894, *Corixa.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 497, 1914.
Localities: Me., N. H., N. Y., Fla., Ill., Mo.

1423. **Arctocorixa bilineata** (Prov.)

Provancher, Nat. Can., iv, p. 108, 1872, *Corisa.* [changed).
bivittata Provancher, Pet. Faune Ent. Can., iii, p. 203, 1888 (name
Locality: Quebec.

[**Arctocorixa bradleyi** Abbott MS]

Abbott, Bul. Brookl. Ent. Soc., viii, p. 83, 1913.
Locality: Ga.

1424. **Arctocorixa calva** (Say)

Say, Heter. N. Harm., p. 38, 1832; Fitch reprint, p. 810; Compl. Writ., i, p.
Fieber, Spec. Generis Corisa, p. 19, 1851, *Corisa.* [366, *Corixa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Corixa.*
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 444, 1878, *Corisa.*
Gillette and Baker, Hemip. Colo., p. 63, 1895, *Corisa.*
Smith, Cat. Ins. N. J., edn. 3, p. 168, 1910.
Localities: Ont., Me., Mass., Pa., Colo., Texas, Alaska.

[**Arctocorixa compressa** Abbott MS]

Abbott, Bul. Brookl. Ent. Soc., viii, p. 83, 1913.
Locality: Ga.

1425. **Arctocorixa convexa** (Fieb.)

Fieber, Spec. Generis Corisa, p. 37, 1851, *Corisa.*
Locality: Labrador.

1426. **Arctocorixa decolor** (Uhl.)

Uhler, Am. Jl. Sci., ser. 3, i, p. 106, 1871, *Corixa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876; iii, p. 455, 1877, *Corixa.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 384, 1893, *Corisa.*
Localities: Utah, Calif.

1426½. **Arctocorixa decorata** Abbott

Abbott, Ent. News, xxvii, p. 341, 1916.
Locality: Mass.

1427. **Arctocorixa dispersa** (Uhl.)

Uhler, Wheeler's Surv. 100th Merid., v, p. 841, pl. 42, fig. 7, 1875, *Corisa.*
Localities: Texas, Nev., Calif.

1427½. **Arctocorixa dubia** Abbott

Abbott, Ent. News, xxvii, p. 342, 1916.
Locality: Mass.

1428. **Arctocorixa edulis** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 380, pl. 22, fig. 24, 1901, *Corixa.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 195, 1908.
Localities: "S. St." (Mexico.)

1429. **Arctocorixa erichsonii** (Fieb.)

Fieber, Spec. Generis Corisa, p. 35, 1851, *Corisa.*
Locality: Pa.

1430. **Arctocorixa escheri** (Heer)

Heer, Insektf. Tertiar. v. Oenigen, iii, p. 87, 1853, *Corisa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Corixa.*
Locality: Wash.

1431. **Arctocorixa expleta** (Uhl.)

Uhler, Hemip. Colo., p. 63, 1895, *Corisa.*
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Localities: N. J., Colo.

1432. **Arctocorixa fossarum** (Leach)

Leach, Trans. Linn. Soc. Lond., xii, p. 17, 1818, *Corixa.*
Fallén, Hemip. Suec., Cimic., p. 182, 1829, *Corixa.*
Herrich-Schaeffer, Nomen. Ent., i, p. 63, 1835, *Corixa.*
Zetterstedt, Ins. Lapp., column 285, 1840, *Corixa.*
Fieber, Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 525, 1848, *Corixa.*
Fieber, Spec. Generis Corisa, p. 32, 1851, *Corisa.*
Herrich-Schaeffer, Wanz. Ins., ix, p. 55, fig. 905, 1853, *Corixa.*
Flor, Rhyn. Livl., i, p. 795, 1860, *Corisa.*
Fieber, Europ. Hemip., p. 98, 1860, *Corisa.*
Douglas and Scott, Brit. Hemip., p. 611, 1865, *Corisa.*
Thomson, Opusc. Ent., i, p. 37, 1869, *Corisa.*
Puton, Synop. Heter. Fr., i, p. 231, 1879, *Corisa.*
Wallengren, Ent. Tidskr., xv, pp. 143, 156, 1894.
Kirkaldy, Jl. Quekett Micros. Club., ser. 2, No. 48, p. 42, 1901.
Localities: Calif. (Palaearctic.)

1433. **Arctocorixa germarii** (Fieb.)

Fieber, Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 531, 1848, *Corisa.*
Fieber, Spec. Generis Corisa, p. 38, pl. 2, No. 26, 1851, *Corisa.*
Fieber, Europ. Hemip., p. 99, 1860, *Corisa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Corixa.*
Puton, Synop. Heter. Fr., i, p. 234, 1879, *Corisa.*
Kirkaldy, Entomologist, xxxi, p. 251, 1898, *Corixa.*
Kirkaldy, Jl. Quekett Micros. Club, ser. 2, No. 48, p. 43, 1901.
variegata (Wallengren), Of. Vet. Akad. Forh., xi, p. 148, 1854, *Corisa.*
Wallengren, Ent. Tidskr., xv, p. 159, 1894, *Corisa* subgen. *Arctocorisa.*
intricata (Douglas and Scott), Ent. Mo. Mag., v, p. 295, 1869, *Corisa.*
B. White, Ent. Mo. Mag., x, p. 77, 1873, *Oreinocorixa.*
Localities: Alaska. (Palaearctic.)

1434. **Arctocorixa harrisii** (Uhl.)

Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 444, 1878, *Corisa*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894, *Corixa*.
Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910.
Localities: Ont., Me., N. Y.

1435. **Arctocorixa hydatotrephes** Kirk.

Kirkaldy, Can. Ent., xl, p. 119, 1908.
Abbott, Bul. Brookl. Ent. Soc., viii, p. 82, 1913.
Localities: N. C., Ga.

1436. **Arctocorixa inscripta** (Uhl.)

Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 294, 1894, *Corixa*.
Champion, Biol. Centr. Am., Heter., ii, p. 376, 1901, *Corixa*.
Localities: Texas, Colo., N. Mex., Ariz., Calif. (Mexico.)

1437. **Arctocorixa interrupta** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 328, 1825; Compl. Writ., ii, p. 250, [*Corixa*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876; iii, p. 454, 1877, *Corixa*.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332, *Corixa*.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878, *Corisa*.
Uhler, Proc. Bost. Soc. Nat. Hist., xix, p. 445, 1878, *Corisa*.
Uhler, Stand. Nat. Hist., ii, p. 250, 1884, *Corisa*.
Champion, Biol. Centr. Am., Heter., ii, p. 376, 1901, *Corixa*.
Abbott, Bul. Brookl. Ent. Soc., viii, p. 82, 1913.
Abbott, Wash. Univ. Studies, i, p. 10, 1913.
Parshley, Psyche, xxi, p. 140, 1914.
?interrupta (Fieber), Spec. Generis Corisa, p. 27, 1851, *Corisa*. (May not [belong here.)
Localities: Me., Mass., N. Y., Md., Ill., Minn., Mo., Mont., Colo., N. Mex., Calif. (Mexico.)

1438. **Arctocorixa kennicottii** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 393, 1897, *Corixa*.
Parshley, Psyche, xxi, p. 140, 1914, *Corixa*.
Localities: Me., Ill.

1439. **Arctocorixa kirbyi** (Fieb.)

Fieber, Spec. Generis Corisa, p. 43, 1851, *Corisa*.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 196, 1908.
‖*carinata* (Kirby) *in* Richardson, Fauna Bor. Am., iv, p. 284, 1837, *Corixa*.
Kirby *in* Bethune's reprint, p. 139, *Corixa*.
Locality: "Canada."

1440. **Arctocorixa laevigata** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., ii, p. 384, 1893, *Corisa*.
Uhler, Proc. Calif. Acad. Sci., ser. 2, iv, p. 295, 1894, *Corisa*.
Localities: Utah, Nevada, Calif., Wash., Ore.

1441. **Arctocorixa lateralis** (Leach)

Leach, Trans. Linn. Soc. Lond., xii, p. 17, 1818, *Corixa*.
Kirkaldy, Entomologist, xxxiii, p. 10, 1900.

Kirkaldy, Jl. Quekett Micors. Club., ser. 2, No. 48, p. 44, fig. 30, 1910.

hieroglyphica (Dufour), Rech. Anat., p. 214, figs. 85–87, 1833, *Corixa.*
Burmeister, Handb. d. Ent., ii, p. 188, 1835, *Corixa.*
Spinola, Essai sur les Hémip., p. 56, 1837, *Corixa.*
Fieber, Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 517, 1848, *Corixa.*
Fieber, Spec. Generis Corisa, p. 22, pl. 1, No. 20, 1851, *Corisa.*
Fieber, Europ. Hemip., p. 93, 1860, *Corisa.*
Douglas and Scott, Brit. Hemip., p. 598, 1865, *Corisa.*
Thomson, Opusc. Ent., i, p. 35, 1869, *Corisa.*
B. White, Ent. Mo. Mag., x, p. 76, 1873, *Corixa.*
Saunders, Heter. Brit. Isds., pp. 331, 334, 1892, *Corixa.*
Wallengren, Ent. Tidskr., x, pp. 142, 144, 1894.
Kirkaldy, Entomologist, xxxi, pt. 2, 1898, *Corixa.*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 49, fig. 29, 1906.
Oshanin, Verz. Palae. Hemip., i, p. 982, 1908, *Corixa.*

fieberi (Wallengren), Of. Vet. Akad. Forh., xi, p. 143, 1854, *Corisa.*

vaga (Wallengren), Of. Vet. Akad. Forh., xi, p. 143, 1854, *Corisa.*

Localities: Pa. (Palaerctic.)

1442. **Arctocorixa lineata** (Forst.)

Forster, Nov. Spec. Ins., p. 70, 1771, *Notonecta.*
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 196, 1908 (catalogue).

noveboracensis Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2119, [1788, *Notonecta* (unnecessary n.n. for *lineata* Forst.)
Turton, Linnaeus, Syst. Nat., edn. 13, Eng. transl., ii, p. 605, 1806,
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 196, 1908. [*Notonecta.*

Locality: N. Y.

1442½. **Arctocorixa lucida** Abbott

Abbott, Ent. News, xxvii, p. 341, 1916.

Localities: Mass., R. I., Conn.

1443. **Arctocorixa mercenaria** (Say)

Say, Heter. N. Harm., p. 39, 1832; Fitch reprint, p. 811; Compl. Writ., i, p. [367, *Corixa.*
Guerin, Bul. Soc. Zool. Acclim., iv, p. 581, 1857, *Corixa.*
Guerin, Rev. Zool. for 1857, p. 526, *Corixa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Corixa.*
Kirkaldy, Ent. Mo. Mag., xxxiv, p. 173, 1898, *Corixa.*
Kirkaldy, Revue d'Ent., xviii, p. 95, 1899.
Champion, Biol. Centr. Am., Heter., ii, p. 379, pl. 22, fig. 23, 1901, *Corixa.*

Localities: N. Mex., Calif. (Neotropical.)

1443½. **Arctocorixa modesta** Abbott

Abbott, Ent. News, xxvii, p. 343, 1916.

Localities: Md., D. C., Va.

1444. **Arctocorixa nitida** (Fieb.)

Fieber, Spec. Generis Corisa, p. 28, pl. 2, No. 8, 1851, *Corisa.*
Abbott, Bul. Brookl. Ent. Soc., viii, p. 82, 1913.
Parshley, Psyche, xxi, p. 140, 1914.

a. var. **minor** Abbott.

Abbott, Bul. Brookl. Ent. Soc., viii, p. 82, 1913.

Localities: Me., Md., N. C., Ga.

1444¼. **Arctocorixa ornata** Abbott
Abbott, Ent. News, xxvii, p. 341, 1916.
Localities: Me., Mass., Conn., N. Y.

1444½. **Arctocorixa parshleyi** Abbott
Abbott, Ent. News, xxvii, p. 342, 1916.
Localities: Me., N. Y.

1445. **Arctocorixa pectenata** Abbott
Abbott, Bul. Brookl. Ent. Soc., viii, p. 83, 1913.
Locality: Ga.

1446. **Arctocorixa planifrons** (Kirby)
Kirby *in* Richardson, Fauna Bor. Am., iv, p. 284, 1857, *Corixa.*
Kirby *in* Bethune's reprint, p. 139, *Corixa.*
Locality: "Canada."

1447. **Arctocorixa reticulata** Guer.
Guerin *in* Sagra, Hist. de Cuba, Ins., p. 423, 1857, *Corisa.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 497, 1914.
Localities: Fla. (West Indies.)

[**Arctocorixa scabra** Abbott MS]
Abbott, Bul. Brookl. Ent. Soc., viii, p. 83, 1913.
Locality: Ga.

1447½. **Arctocorixa seriata** Abbott
Abbott, Ent. News, xxvii, p. 342, 1916.
Localities: Me., N. H., Mass., R. I., Conn.

1448. **Arctocorixa serrulata** (Uhl.)
Uhler, Trans. Md. Acad. Sci., i, p. 391, 1897, *Corixa.*
Champion, Biol. Centr. Am., Heter., ii, p. 381, 1901, *Corixa* (noticed).
?Smith, Cat. Ins. N. J., edn. 3, p. 169, 1910, *Corixa.*
Localities: Ariz., Calif. (Mexico.)

1449. **Arctocorixa signata** (Fieb.)
Fieber, Spec. Generis Corisa, p. 21, 1851, *Corisa.*
Abbott, Bul. Brookl. Ent. Soc., viii, p. 83, 1913.
Localities: Pa., Ill., Ga.

1450. **Arctocorixa stagnalis** (Leach)
Leach, Trans. Linn. Soc. Lond., xii, p. 16, 1818, *Corisa.*
Kirkaldy, Jl. Quekett Micros. Club, ser. 2, No. 48, j. 42, pl. 4, fig. 21, 1901.
limitata (Fieber), Bul. Soc. Nat. Mosc., xxi, pt. 2, p. 528, 1848, *Corisa.*
Fieber, Spec. Generis Corisa, p. 35, pl. 2, No. 20, 1851, *Corisa.*
Fieber, Europ. Hemip., p. 95, 1860, *Corisa.*
B. White, Ent. Mo. Mag., x, p. 77, 1873, *Corixa.*
Puton, Synop. Heter. Fr., i, p. 229, 1879, *Corisa.*
Saunders, Heter. Brit. Isds., pp. 332, 336, pl. 22, fig. 4, 1892, *Corixa.*
Wallengren, Ent. Tidskr., x, pp. 142, 152, 1894.
Oshanin, Verz. Palae. Hemip., i, p. 984, 1908, *Corixa.*
Oshanin, Kat. Palae. Hemip., p. 92, 1912.
†*nigrolineata* (Thomson), Opusc. Ent., i, p. 36, 1869, *Corisa.*
thomsoni Puton, Cat. Hemip. Palae., edn. 3, p. 65, 1886, *Corixa.*
Localities: Pa. (Palaearctic.)

1451. **Arctocorixa stigmatica** (Fieb.)

Fieber, Spec. Generis Corisa, p. 36, 1851, *Corisa.*
Locality: "N. Am."

1452. **Arctocorixa striata** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 439, 1758, *Notonecta.*
Linnaeus, Fauna Suec., edn. 2, p. 244, No. 904, 1761, *Notonecta.*
De Geer, Mémoires, iii, p. 395, 1773, *Nepa* (part).
Fabricius, Spec. Ins., ii, p. 332, 1781, *Sigara* (part).
Schrank, Enum. Ins. Aust., p. 261, 1781, *Notonecta.*
Fabricius, Ent. Syst., iv, p. 60, 1794, *Sigara* (part).
Walckenaer, Fauna Paris., ii, p. 333, 1802, *Sigara* (part).
Fabricius, Syst. Rhyng., p. 104, 1803, *Sigara* (part).
Brullé, Hist. Nat. des Ins., ix, p. 251, 1835, *Corixa.*
Kirby *in* Richardson, Fauna Bor. Am., iv, p. 283, 1877, *Corixa.*
Spinola, Essai sur les Hémip., p. 57, 1837 (1840), *Corixa.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 87, 1840, *Corixa.*
Amyot and Serville, Hémip., p. 447, 1843, *Corisa.*
Fieber, Spec. Generis Corisa, p. 30, pl. 2, No. 11, 1851, *Corisa.*
Flor, Rhyn. Livl., i, p. 793, 1860, *Corisa.*
Fieber, Europ. Hemip., p. 97, 1860, *Corisa.*
Douglas and Scott, Brit. Hemip., p. 606, 1865, *Corisa.*
Thomson, Opusc. Ent., i, p. 34, 1869, *Corisa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876, *Corixa.*
Puton, Synop. Heter. Fr., i, p. 227, 1879, *Corixa.*
Reuter, Rev. Synon., p. 376, No. 355, 1888, *Corisa.*
Wallengren, Ent. Tidskr., xv, p. 150, 1894, *Corisa.*
Gillette and Baker, Hemip. Colo., p. 64, 1895, *Corisa.*
Localities: Neb., Colo., Brit. Am. (Palaearctic.)

1453. **Arctocorixa sutilis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 339, 1876; iii, p. 453, 1877, *Corixa.*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1332, *Corisa.*
Uhler, Proc. Ent. Soc. Wash., ii, p. 384, 1893, *Corisa.*
Localities: Colo., Utah, N. Mex., Mont., Brit. Am.

1454. **Arctocorixa tarsalis** (Fieb.)

Fieber, Spec. Generis Corisa, p. 19, 1851, *Corisa.*
Localities: Pa.

1455. **Arctocorixa trilineata** (Prov.)

Provancher, Nat. Can., iv, p. 108, 1872, *Corixa.*
trivittata Provancher, Pet. Faune Ent. Can., iii, p. 203, 1888, *Corixa* (unnecessary substitute for *trilineata*).
Locality: Quebec.

1456. **Arctocorixa tumida** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 454, 1877, *Corixa.*
Gillette and Baker, Hemip. Colo., p. 64, 1895, *Corisa.*
Locality: Colo.

1457. **Arctocorixa vulnerata** (Uhl.)

Uhler, Proc. Acad. Nat. Sci. Phila., xiii, p. 284, 1861, *Corixa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 340, 1876; iv, p. 509, 1878, *Corisa.*
Localities: Ill., Mont., Wash., Ore.

1458. **Arctocorixa wallengreni** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 268, 1859, *Corixa.*
Locality: Calif.

1459. **Arctocorixa zimmermannii** (Fieb.)

Fieber, Spec. Generis Corisa, p. 21, pl. 1, No. 18, 1851, *Corisa.*
Localities: Pa., "Carolina."

Subgenus **Hesperocorixa** Kirk.
Haplotype *brimleyi* Kirk.

Kirkaldy, Can. Ent., xl, pp. 118, 120, 1908.

1460. **Arctocorixa brimleyi** Kirk.

Kirkaldy, Can. Ent., xl, p. 120, 1908.
Locality: N. C.

Genus **Palmacorixa** Abbott
Haplotype *gillettii* Abbott

Abbott, Ent. News, xxiii, p. 337. 1912.

1461. **Palmacorixa gillettii** Abbott

Abbott, Ent. News, xxiii, p. 337, pl. 18, 1912.
Locality: Colo.

1462. **Palmacorixa buenoi** Abbott

Abbott, Can. Ent., xlv, p. 113, 1913.
Abbott, Bul. Brookl. Ent. Soc., viii, p. 87, 1913.
Localities: Mass., N. Y., D. C., Ga.

Genus **Corixa** Geoff.
Haplotype *striata* Geoff. = *geoffroyi* Leach

Geoffroy, Hist. Abreg. des Ins., i, p. 477, 1762 (*striata* of Geoff. only species).
Fourcroy, Ent. Paris., i, p. 221, 1785.
Olivier, Encyc. Méth., iv, p. 25, 1789.
Latreille, Précis, p. 88, 1797.
Lamarck, Syst. Anim. s. Vert., p. 297, 1801 (names *striata* Linn. type).
Latreille, Hist. Nat. Crust. Ins., iii, p. 255, 1902; xii, p. 287, 1804.
Latreille, Genera Crust. Ins., iii, p. 151, 1807.
Latreille, Consid. Génl., pp. 261, 434, 1910 (names *striata* Linn. type).
Lamarck, Hist. Nat. Anim. s. Vert., iii, p. 520, 1816.
Fallén, Hemip. Suec., Cimic., p. 181, 1829.
Laporte, Essai Classif. Syst. Hémip., p. 20, 1832 (names *striata* Linn. type).
Herrich–Schaeffer, Nomen. Ent., i, pp. 39, 63, 1835.
Burmeister, Handb. d. Ent., ii, p. 186, 1835.
Brullé, Hist. Nat. des Ins., ix, p. 249, 1835.
Blanchard, Hist. Nat. des Ins., Hémip., p. 87, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 119, 1840 (names *striata*
Amyot and Serville, Hémip., p. 445, 1843, *Corisa.* [Linn. type).

Spinola, Tavola Sinot., p. 49, 1850.
Fieber, Spec. Generis Corisa, p. 13, 1851, *Corisa.*
Flor, Rhyn. Livl., i, pp. 780, 783, 1860, *Corisa.*
Fieber, Europ. Hemip., pp. 31, 90, 1860, *Corisa.*
Kirkaldy, Entomologist, xxxi, p. 253, 1898.
Kirkaldy, Jl. Quekett Micros. Club, ser. 2, No. 48, p. 44, 1901.
Distant, Fauna Br. Ind., Rhyn., iii, p. 49, 1906 (cites *geoffroyi* Leach as type).
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 152, 1906.
Reuter, Of. Finska Vet. Soc. Forh., liv, Afd. A, No. 7, p. 75, 1912.
Oshanin, Kat. Palae. Hemip., p. 91, 1912.

Sigara Fabricius, Syst. Ent., p. 691, 1775 (haplotype *striata* Fabr.).
Macrocorisa Thomson, Opusc. Ent., i, p. 28, 1869 (type *geoffroyi* Leach).
B. White, Ent. Mo. Mag., x, p. 62, 1873, *Macrocorixa.*
Puton, Synop. Heter. Fr., i, p. 220, 1879.
Wallengren, Ent. Tidskr., xv, pp. 133, 134, 1894.
Oshanin, Verz. Palae. Hemip., i, p. 978, 1909.
Trichocorixa Kirkaldy, Can. Ent., xl, p. 118, 1908 (type *pygmaea* Fieb.).

1463. **Corixa gordita** Abbott

Abbott, Bul. Brookl. Ent. Soc., viii, p. 84, 1913.
Locality: Ga.

1464. **Corixa sellaris** Abbott

Abbott, Bul. Brookl. Ent. Soc., viii, p. 85, 1913.
Locality: Ga.

1465. **Corixa macroceps** Kirk.

Kirkaldy, Can. Ent., xl, p. 119, 1908, *Arctocorisa.*
Abbott, Bul. Brookl. Ent. Soc., viii, p. 86, 1913.
Locality: Ga.

1466. **Corixa minima** Abbott

Abbott, Bul. Brookl. Ent. Soc., viii, p. 86, 1913.
Locality: Ga.

1467. **Corixa verticalis** Fieb.

Fieber, Spec. Generis Corisa, p. 24, pl. 1, No. 22, 1851, *Corisa.*
Abbott, Bul. Brookl. Ent. Soc., viii, p. 87, 1913.
Localities: Pa., Ga.

1468. **Corixa(?) pygmaea** Fieb.

Fieber, Spec. Generis Corisa, p. 24, pl. 2, No. 1, 1851, *Corisa.*
Kirkaldy, Can. Ent., xl, p. 118, 1908 (as type of *Trichocorixa*).
Abbott, Bul. Brookl. Ent. Soc., viii, p. 87, 1913.
Localities? (West Indies.)

1469. **Corixa burmeisterii** Fieb.

Fieber, Spec. Generis Corisa, p. 24, 1851, *Corisa.*
Abbott, Bul. Brookl. Ent. Soc., viii, p. 87, 1913 (mention).
Locality: "N. Am."

Species unknown.

[**Corixa annexa** Uhler MS]

Walker, Cat. Heter., viii, p. 199, 1873.
Kirkaldy, Entomologist, xxx, p. 259, 1897.
Locality: Canadian Northwest.

SUBORDER *HOMOPTERA* LATR.

Latreille, Consid. Génl., p. 262, 1810.
Mac Leay, Horae Ent., ii, p. 367, 1821 (as Order).
Mac Leay, Trans. Linn. Soc. Lond., xiv, p. 67, 1825 (as Order).
Latreille, Fam. Nat. Règne Animal, p. 426, 1825.
Kirby and Spence, Introd. to Ent., iv, p. 377, 1826.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 209, 1829.
Fallén, Hemip. Suec., Cimic., preface, 1829. (*Collirostres.*)
Westwood, Intr. Mod. Classif. Ins., i, p. 29; ii, p. 414, 1840 (as Order).
Blanchard, Hist. des Ins., Hémip., p. 163, 1840.
Amyot and Serville, Hémip., p. 455, 1843.
Stål, Stet. Ent. Zeit., xix, p. 233, 1858.
Siphonata Retzius, Genera Spec. Ins., p. v, 1783.
‡*Omoptera* Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815.
Gulaerostria Zetterstedt, Ins. Lapp., column , 1840.
Flor, Rhyn. Livl., ii, p. 1, 1861.
Hypocephalocera Spinola, Tavola Sinot., p. 27, 1850.

SERIES *AUCHENORHYNCHA* DUM.

Duméril, Zool. Analyt., p. 269, 1806.
Amyot and Serville, Hémip., p. 456, 1843.
Flor, Rhyn. Livl., ii, p. 4, 1861.
Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 295, 1906 (Group).

Family CICADIDAE (Latr.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 257, 1802, *Cicadariae* (*Cicadae verae*).
Latreille, Hist. Nat. Crust. Ins., xii, p. 293, 1804, *Cicadariae* (*Cicadae verae*).
Latreille, Gen. Crust. Ins., iii, p. 152, 1807, *Cicadariae.*
Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815, *Cicadida.*
Stephens, Cat. Brit. Ins., ii, p. 355, 1829, *Cicadiidae.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 420; Synop., p. 115, 1840.
Spinola, Tavola Sinot., pp. 27, 50, 1850, *Cicaditae.*
Stål, Stet. Ent. Zeit., xix, p. 234, 1858, *Cicadina.*
Packard, Guide to Study of Ins., p. 533, 1869, *Cicadariae.*
Sahlberg, Cicadariae, p. 65, 1871, *Cicadina.*
Fieber, Cat. Europ. Cicad., p. 1, 1872, *Cicadaea.*
Fieber, Cicad. d'Eur., i, pp. 40, 47, 1875, *Cicadaea.*
Distant, Biol. Centr. Am., Homop., i, p. 1, 1881.
Uhler, Stand. Nat. Hist., ii, p. 226, 1884.
Woodworth, Psyche, v. p. 67, 1888 (synopsis).
Ashmead, Ent. Am., iv, p. 140, 1888. (Key.)
Distant, Monog. Orient. Cicad., p. 1, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 208, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 296, 1892.
Melichar, Cicad. Mit. Eur., p. 2, 1896.

Macgillivray, Can. Ent., xxxiii, p. 74, 1901. (Key.)
Distant, Fauna Brit. Ind., Rhyn., iii, p. 55, 1906.
Distant, Cat. Homop., Cicad., p. 1, 1906.
Kirkaldy, Haw. S. P. A. Exp. St. Bul., i, p. 295, 1906; iii, p. 9, 1907.
Horvath, Ann. Mus. Natl. Hung., ix, p. 29, 1911
Oshanin, Kat. Palae. Hemip., p. 94, 1912.
Distant, Gen. Ins., fasc. 142, p. 1, 1912.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 21, 1915. (Keys.)

Manniferae Linnaeus, Syst. Nat., edn. 10, i, p. 436, 1758.
Germar, Mag. d. Ent., iv, p 95, 1821.

Tettigonides Fallén, Spec. Nova Hemip., disp. Meth., pp. 3, 13, 1814.

Stridulantes Latreille, Fam. Nat. Régne Anim., p. 426, 1825 (Tribe).
Germar, Silb. Rev. Ent., i, p. 174, 1833 (Stirps).
Burmeister, Handb. d. Ent., ii, p. 170, 1835, *Stridulantia.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 164, 1840, *Striduliens.*
Amyot and Serville, Hémip., p. 458, 1843.
Fieber, Gen. Hydroc., p. 10, 1851.
Stål, Hemip. Afr., iv, p. 1, 1866, *Stridulantia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Stridulantia.*
Hansen, Ent. Tidskr., xi, p. 63, 1890, *Stridulantia.* [(transl. of Hansen).
Kirkaldy, Entomol., xxxiii, pp. 116, 335, 1900; xxxv, p. 215, 1902

Chanteuses Latreille, *in* Cuvier, Régne Anim., edn. 2, v, p. 212, 1829. [*trices.*
Latreille, *in* Cuvier, Anim. Kingd., Lond. edn., iv, p. 172, 1836, *Canta-*

Subfamily **TIBICENINAE** Van D.

Van Duzee, Check List Hemip., p. 55, 1916.

Cicadides Amyot and Serville, Hémip., pp. liii, 468, 1843 (Groupe).
Ashmead, Ent. Am., iv, p. 140, 1888, *Cicadinae.*
Distant, Monog. Orient. Cicad., p. 3, 1889, *Cicadinae.*
Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, p. 293, 1904, *Cicadinae.*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 58, 1906, *Cicadinae.*
Distant, Cat. Homop., Cicadidae, pp. 1, 2, 1906, *Cicadinae.*
Distant, Gen. Ins., fasc. 142, p. 3, 1912, *Cicadinae.*
Oshanin, Kat. Palae. Hemip., p. 94, 1912, *Cicadinae.*

§*Tibicinae* Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 23, 1915.

TRIBE *TIBICENINI* Van. D.

Van Duzee, Check List Hemip., p. 55, 1915. [(Division.)

Cicadaria Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, pp. 329, 425, 1904.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 78, 1906. (Division.)
Distant, Cat. Homop., Cicadidae, p. 30, 1906. (Division.)
Distant, Gen. Ins., fasc. 142, p. 25, 1912. (Division.)

Genus **Tibicen** Latr.
Haplotype *plebeja* (Scop.)

Latreille, Fam. Nat. Régne Anim., p. 426, 1825 (no description, *plebeja* only
Germar, Silb. Rev. Ent., ii, p. 52, 1834. [species mentioned).
Burmeister, Handb. d. Ent., ii, pp. 179, 182, 1835 (as Subgenus).

Van Duzee, Can. Ent., xlvi, p. 387, 1914 (restricts *Cicada* to *orni* and its allies).
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 23, 1915.
Van Duzee, Check List Hemip., p. 55, 1916.

†*Cicada* Latreille, Consid. Génl., p. 434, 1810 (names *plebeja* pseudotype).
Germar, Mag. d. Ent., iv, p. 95, 1821.
Germar, Silb. Rev. Ent., ii, p. 56, 1834.
Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 614, 1861.
Stål, Hemip. Afr., iv, p. 6, 1866.
Distant, Biol. Centr. Am., Homop., i, p. 6, 1881.
Woodworth, Psyche, v, p. 67, 1888.
Ashmead, Ent. Am., iv, p. 141, 1888.
Uhler, Trans. Md. Acad. Sci., i, p. 149, 1892.
Macgillivray, Can. Ent., xxxiii, p. 75, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, pp. 330, 428, 1904.
Distant, Cat. Homop., Cicadidae, p. 38, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 491, 1912 (names *tibicen* [pseudotype).
Distant, Gen. Ins., fasc. 142, p. 30, 1912.

†*Tettigonia* Fabricius, Syst. Ent., p. 678, 1775.
Thunberg, Charac. Gen. Ins., edn. 2, p. 32, 1791.
Fabricius, Ent. Syst., iv, p. 16, 1794.
Fabricius, Syst. Rhyng., p. 33, 1803 (indicates *tibicen* as type).
Leach *in* Brewster's Edinbg. Encyc., Am. reprint, ix, p. 124, 1830.
Leach *in* Brewster's Edinbg. Encyc., Am. edn., viii, p. 713, 1832.

Chremistica Stål, Of. Vet. Akad. Forh., xxvii, p. 714, 1870 (as Subgenus).
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 305, 1907.

Diceroprocta Stål, Of. Vet. Akad. Forh., xxvii, p. 714, 1870 (as Subgenus).
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 305, 1907.

Rihana Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, p. 426, 1904. (*Orthotype*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 78, 1906. [*ochracea* Walk.)
Distant, Cat. Homop., Cicadidae, p. 32, 1906.
Distant, Genera Ins., fasc. 142, p. 27, 1912.

1470. **Tibicen biconica** (Walk.)

Walker, List Homop., i, p. 120, 1850, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 153, 1892, *Cicada.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Localities: Fla. (West Indies, Mexico.)

1471. **Tibicen townsendi** (Uhl.)

Uhler, Ent. News, xvi, p. 74, 1905, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 46, 1916, *Cicada.*
Localities: Texas, N. Mex., Ariz., Calif.

1471½. **Tibicen bifidus** (Davis)

Davis, Jl. N. Y. Ent. Soc., xxiv, p. 47, 1916, *Cicada.*
Localities: Kans., Colo., Utah, Ariz.

1472. **Tibicen rudis** (Walk.)

Walker, List Homop., Suppl., p. 13, 1858, *Fidicina.*
Distant, Biol. Centr. Am., Homop., i, p. 8, pl. 2, fig. 20, 1881, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 154, 1892, *Cicada.*
Localities: Ariz. (Mexico.)

1473. **Tibicen linnei** (Sm. & Grsb.)

Smith and Grossbeck, Ent. News, xviii, p. 127, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 89, 1910, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 10, 1915, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 4, 1915, *Cicada.*
†*tibicen* Germar, Mag. d. Ent., iv, p. 95, 1821, *Cicada.*
Germar, Silb. Rev. Ent., ii, p. 52, note, 64, 1834, *Cicada.*
Harris, Rept. Ins. Mass., p. 176, 1841, *Cicada.*
Walker, List Homop., i, p. 94, 1850, *Fidicina.*
Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 367, no. 73, 1856, *Cicada.*
Jaeger, Life of N. Am. Ins., p. 70, 1859, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 219, 1862, *Cicada.*
Stål, Of. Vet. Akad. Forh., xix, p. 480, 1862, *Cicada.*
Stål, Hemip. Fabr., ii, p. 6, 1869, *Cicada.*
Uhler, Stand. Nat. Hist., ii, p. 227, 1884, *Cicada.*
Woodworth, Psyche, v, p. 68, 1888, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 149, 1892, *Cicada.*
Macgillivray, Can. Ent., xxxiii, p. 82, 1901, *Cicada.*
Felt, N. Y., St Museum. Memoir 8, i, p. 237, pl. 46, fig. 1, 1905.
Distant, Cat. Homop., Cicadidae, p. 36, 1906, *Rihana.*
Davis and Joutel, Ent. News, xvii, p. 238, 1906, *Cicada.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Distant, Genera Ins., fasc. 142, p. 29, 1912, *Rihana.*
chloromera Walker, List Homop., i, p. 43, 1850, *Thopha.*
Localities: Mass., N. Y., Mich., Tenn., N. C., Ill., Kans.

1474. **Tibicen pruinosa** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 330, 1825; Compl. Writ., ii, p. 251, *Cicada.*
Harris, Rept. Ins. Mass., p. 176, 1841, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 218, 1862, *Cicada.*
Provancher, Pet. Faune Ent. Can., iii, p. 211, 1889, *Cicada.*
Davis and Joutel, Ent. News, xvii, p. 237, 1906, *Cicada.*
Smith and Grossbeck, Ent. News, xviii, p. 123, 1907, *Cicada.*
Davis, Ent. News, xxi, p. 457, 1910, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 89, 1910, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, pp. 9, 10, 1915, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915, *Cicada.*
§*bruneosa* Wild, Ann. Soc. Ent. Fr., ser. 2, x, Bul., p. xviii, 1852, *Cicada.*
†*canicularis* Provancher, Pet. Faune Ent. Can., iii, p. 211 (in key), 1889, *Cicada.*
Localities: Pa., Ind., Mo., Neb., Kans., Texas. [

a. var. **winnemanna** (Davis)

Davis, Bul. Brookl. Ent. Soc., viii, p. 3, 1912, *Cicada.*
Localities: Md., N. C.

b. var. **latifasciata** (Davis)

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 8, 1915, *Cicada.*
Weiss, Ent. News, xxvii, p. 163, 1916, *Cicada.*
Localities: N. J., Pa., N. C., Texas.

1475. **Tibicen sayi** (Sm. & Grsb.)

Smith and Grossbeck, Ent. News, xviii, p. 124, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 89, 1910, *Cicada.*

Davis, Ent. News, xxiii, p. 261, 1912, *Rihana.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915, *Cicada.*
Localities: Ont., N. Y., N. J., N. C., Ga., Fla., Ala., Ky., Miss., Ohio.

a. var. **australis** (Davis)
Davis, Ent. News, xxiii, p. 261, 1912, *Rihana.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Localities: Ga., Fla.

1476. **Tibicen (?) variegata** (Fabr.)

Fabricius, Ent. Syst., iv, p. 19, 1794, *Tettigonia.*
Fabricius, Syst. Rhyn., p. 37, 1803, *Tettigonia.*
Walker, List Homop., i, p. 120, 1850, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 149, 1892, *Cicada* (as synon.).
Smith and Grossbeck, Ent. News., xviii, pp. 118, 120, 1907, *Tibicina.*
Locality: "Carolina." (May be a *Tibicina.*)

1477. **Tibicen lyricen** (De G.)

De Geer, Mémoires, iii, p. 212, pl. 32, fig. 23, 1773, *Cicada.*
Smith and Grossbeck, Ent. News, xviii, p. 125, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910, *Cicada.*
Barber, Proc. Ent. Soc. Wash., xiv, p. 210, 1912, *Cicada* (eggs).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 4, 1915, *Cicada.*
fulvula (Osborn), Ent. News, xviii, p. 322, 1906, *Cicada.*
Localities: Ont., R. I., N. Y., N. J., N. C., Fla., Ala., Ohio, Ind.

a. var. **engelhardti** (Davis).
Davis, Ent. News, xxi, p. 458, 1910, *Cicada.*
Davis, Ent. News, xxiii, p. 261, 1912, *Rihana.*
Localities: N. C., Ga.

1477½. **Tibicen figurata** (Walk.)

Walker, List Homop., Suppl., p. 19, 1858, *Fidicina.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 8, 1915, *Cicada* (var. ? of *lyricen* or *simi-*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 43, 1916, *Cicada.* [*laris*).
Localities: Fla., Ala., Miss., La.

1478. **Tibicen similaris** (Sm. & Grsb.)

Smith and Grossbeck, Ent. News, xviii, p. 125, 1907, *Cicada.*
Davis, Ent. News, xxiii, p. 262, 1912, *Rihana.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Localities: Ga., Fla.

1479. **Tibicen canicularis** (Harr.)

Harris, Rept. Ins. Mass., p. 175, 1841, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 2, p. 190, 1852, *Cicada.*
Emmons, Nat. Hist. N. Y., Ins., p. 152, pl. 9, fig. 5, 1854, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 217, 1862, *Cicada.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 342, 1876, *Cicada.*
Van Duzee, Can. Ent., xxi, p. 6, 1889, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 151, 1892, *Cicada.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1894, *Cicada.*

Davis and Joutel, Ent. News, xvii, p. 237, 1906, *Cicada.*
Smith and Grossbeck, Ent. News, xviii, p. 126, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910, *Cicada.* [*Cicada* (part).
†*pruinosa* (Uhler) *in* Harris Treat. Ins. Inj. Veg., edn. 3, p. 219, 1862,
Localities: Quebec, Ont., Nov. Scot., Mass., N. Y., N. J., D. C., Wisc., Ia., Colo.

1480. **Tibicen aurifera** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 332, 1825; Compl. Writ., ii, p. 252,
Woodworth, Psyche, v, p. 68, 1888, *Cicada* (var. of *marginata*). [*Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 153, 1892, *Cicada.*
Kirkaldy, Entomologist, xxxiii, p. 242, 1900, *Cicada* (referred to *marginata*).
Macgillivray, Can. Ent., xxxiii, p. 80, 1901, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 44, 1916, *Cicada* (recognized).
Locality: Kans.

1481. **Tibicen davisi** (Sm. & Grsb.)

Smith and Grossbeck, Ent. News, xviii, p. 127, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910, *Cicada.*
Davis, Ent. News, xxiii, p. 261, 1912, *Rihana.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Localities: N. Y., Ga., Fla.

1482. **Tibicen transversa** (Walk.)

Walker, Ins. Saund., Homop., p. 15, 1858, *Cicada.*
Distant, Biol. Centr. Am. Homop., i, p. 7, pl. 2, fig. 1, 1881, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 155, 1892, *Cicada.*
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904, *Cicada.*
alacris (Stål), Stet. Ent. Zeit., xxv, p. 62, 1864, *Cicada.*
Localities: Texas, Ariz. (Mexico, Vera Cruz.)

1482½. **Tibicen eugraphica** (Davis)

Davis, Jl. N. Y. Ent. Soc., xxiv, p. 52, 1916, *Cicada.*
Localities: Texas, N. Mex., Ariz.

1483. **Tibicen vitripennis** (Say)

Say, Jl. Acad. Nat. Sci. Phila., ii, p. 236, 1830; Compl. Writ., ii, p. 372, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 153, 1892, *Cicada.*
Macgillivray, Can. Ent., xxxiii, p. 83, 1901, *Cicada.*
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 58, 1916, *Cicada.*
§*albipennis* Woodworth, Psyche, v, p. 68, 1888, *Cicada.*
Localities: Fla., La., Ind., Okla., Texas, Ariz.

a. var. **nigriventris** (Walk.)

Walker, List Homop., Suppl., p. 21, 1858, *Cicada.*
Distant, Biol. Centr. Am., Homop., i, p. 9, pl. 2, fig. 6, 1881, *Cicada.*
Locality: Mexico (not yet found in our territory).

1484. **Tibicen auletes** (Germ.)

Germar, Silb. Rev. Ent., ii, p. 65, 1834, *Cicada.*
Harris, Rept. Ins. Mass., p. 176, 1841, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 218, 1862, *Cicada.*

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 2, 1915, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915, *Cicada.*
Weiss, Ent. News, xxvii, p. 162, 1916.
?grossa (Fabricius), Syst. Ent., p. 678, 1775, *Tettigonia.*
Fabricius, Spec. Ins., ii, p. 318, 1781, *Tettigonia.*
Fabricius, Mant. Ins., ii, p. 265, 1787, *Tettigonia.*
Olivier, Encyc. Méth., v, p. 747, 1790, *Cicada.*
Fabricius, Syst. Rhyng., p. 33, 1803, *Tettigonia.*
Uhler, Ent. News, xvi, p. 75, 1905, *Cicada.*
Distant, Genera Ins., fasc. 142, p. 29, 1912, *Rihana.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Van Duzee, Check List Hemip., p. 55, 1916.
?sonora (Walker), List Homop., i, p. 105, 1850, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 6, 1915, *Cicada.*
?literata (Walker), List Homop., i, p. 91, 1850, *Fidicina.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 8, 1915, *Cicada.* [1905, *Cicada.*
†*marginata* (Howard), Insect Book, p. 232 (*emarginata*), pl. 28, fig. 19.
Smith and Grossbeck., Ent. News, xviii, pl. 3, fig. 1, 1907, *Cicada* [genitalia.
Localities: Mass., Conn., N. Y., N. J., Md., D. C., N. C., S. C., Ga., Fla., Ala., La., Miss., Mich., Mo., Kans.

1485. **Tibicen marginalis** (Walk.)

Walker, List Homop., iv, p. 1128, 1852, *Cicada* (n.n. for *marginata* Say).
Van Duzee, Check List Hemip., p. 55, 1916. [ii, p. 251, *Cicada.*
‖*marginata* (Say), Jl. Acad. Nat. Sci. Phila., iv, p. 330, 1825; Compl. Writ.,
Uhler, Stand. Nat. Hist., ii, p. 227, 1884, *Cicada.*
Woodworth, Psyche, v, p. 68, 1888, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 150, 1892, *Cicada.*
Gillette and Baker, Hemip. Colo., p. 64, 1895, *Cicada.*
Macgillivray, Can. Ent., xxxiii, p. 81, 1901, *Cicada.*
Smith and Grossbeck, Ent. News, xviii, p. 128, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 89, 1910, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 4, 1915, *Cicada.*
Localities: Fla., Ohio, Ky., Kans., Texas.

1485½. **Tibicen cultriformis** (Davis)

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 239, 1915, *Cicada.*
Locality: Ariz.

1486. **Tibicen dealbata** (Davis)

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 162, 1915, *Cicada* (as var. of *marginata*).
Localities: Kans., Colo.

1487. **Tibicen resh** (Hald.)

Haldemann, Stansb. Salt Lake Exped., p. 369, pl. 9, fig. 17, 1852, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 5, 1915, *Cicada.*
robertsoni (Fitch), Trans. N. Y. Ag. Soc., xiv (1854), p. 745, 1855, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 164, 1915, *Cicada* (synon. of *resh*).
Localities: Miss., La., Okla., Texas, Utah.

1488. **Tibicen resonans** (Walk.)

Walker, List Homop., i, p. 106, 1850, *Cicada.*

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 6, 1915, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 4, 1915, *Cicada.*
Localities: N. C., Ga., Fla., Ala., Kans.

1489. **Tibicen olympusa** (Walk.)
Walker, List Homop., i, p. 101, 1850, *Fidicina.*
Stål, Of. Vet. Akad. Forh., xix, p. 484, 1862, *Cicada.*
Distant, Cat. Homop., Cicadidae, p. 36, 1906, *Rihana.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 56, 1916, *Cicada.*
milvus (Walker), Ins. Saund., Homop., p. 11, 1858, *Cicada.*
sordidata (Uhler), Trans. Md. Acad. Sci., i, p. 184, 1909, *Cicada.*
Locality: Fla.

1489½. **Tibicen texana** (Davis)
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 54, 1916, *Cicada.*
Locality: Texas.

1490. **Tibicen superba** (Fitch)
Fitch, Trans. N. Y. St. Ag. Soc., xiv (1854), p. 745, 1855, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 152, 1892, *Cicada.*
Localities: Ark., Okla., N. Mex., Texas.

1491. **Tibicen erratica** (Osb.)
Osborn, Ohio Nat., vi, p. 497, 1906, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 59, 1916, *Cicada.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Cicada.*
Localities: Miss., La., Ark.

1492. **Tibicen azteca** (Kirk.)
Kirkaldy, Can. Ent., xli, p. 391, 1910, *Cicada.*
‖*pallida* (Distant), Biol. Centr. Am., Homop., i, p. 8, pl. 2, fig. 7, 1881, [*Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 153, 1892, *Cicada.*
Localities: Texas. (Mexico.)

1493. **Tibicen delicata** (Osb.)
Osborn, Ohio Nat., vi, p. 498, 1906, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 60, 1916, *Cicada.*
Localities: La., Texas.

1493½. **Tibicen castaneus** (Davis)
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 49, 1916, *Cicada.*
Locality: Ariz.

1494. **Tibicen reperta** (Uhl.)
(= next species.)

1495. **Tibicen viridifascia** (Walk.)
Walker, List Homop., i, p. 121, 1850, *Cicada.*
Distant, Cat. Homop., Cicadidae, p. 40, 1906, *Cicada.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 184, 1909, *Cicada.*
Distant, Genera Ins., fasc., 142, p. 31, 1912, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 58, 1916, *Cicada.*
reperta (Uhler), Trans. Md. Acad. Sci., i, p. 177, 1892, *Cicada.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915, *Cicada.*
Van Duzee, Check List Hemip., p. 55, 1916.
Localities: N. C., Fla., La.

1496. **Tibicen montezuma** (Dist.)

Distant, Biol. Centr. Am., Homop., i, p. 8, 1881, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 154, 1892, *Cicada.*
Townsend, Can. Ent., xxiv, p. 195, 1892, *Cicada.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 23, 28, 1915.
rudis (Distant), Biol. Centr. Am., Homop., i, pl. 2, fig. 8, 1881, *Cicada.*
Localities: Texas, N. Mex., Ariz., Calif.

1497. **Tibicen cinctifera** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 156, 1892, *Cicada.*
Distant, Genera Ins., fasc. 142, p. 32, pl. 4, fig. 25, 1912, *Cicada.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 23, 28, 1915.
Localities: N. Mex., Calif.

1498. **Tibicen dorsata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 331, 1825; Compl. Writ., ii, p. 252, *Cicada.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 342, 1876, *Cicada*
Uhler, Trans. Md. Acad. Sci., i, p. 152, 1892, *Cicada.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907, *Cicada.*
Davis, Jl. N. Y. Ent. Soc., xxiii, pp. 161, 164, 1915, *Cicada.*
varia (Walker), List Homop., i, p. 42, 1850, *Thopha.*
crassa (Walker), Ins. Saund., Homop., p. 10, 1858, *Fidicina.*
Localities: Mo., Ia., Neb., Kans., Ark., N. Mex., Texas, Colo.

[**Tibicen ochreoptera** Uhl. MS.]

Townsend, Can. Ent., xxiv, p. 195, 1892, *Cicada* (may be *townsendi* Uhl.).

Genus **Cacama** Dist.
Orthotype *maura* Dist.

Distant, Ann. Mag. Nat. Hist., ser. 7, xiv, p. 429, 1904.
Distant, Genera Ins., fasc. 142, p. 33, 1912.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 23, 1915.

1499. **Cacama valvata** (Uhl.)

Uhler, Ent. Am., iv, p. 84, 1888, *Proarna.*
Gillette and Baker, Hemip. Colo., p. 64, 1895, *Cicada.*
Distant, Genera Ins., fasc. 158, p. 16, 1914, *Proarna.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 23, 1915.
Localities: Colo., Ariz.

1500. **Cacama crepitans** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 45, 1914, *Proarna.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 28, 1915.
Locality: Calif.

Subfamily CICADINAE Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 23, 24, 1915.
Van Duzee, Check List Hemip., p. 56, 1916.
Gaeaninae Distant, Ann. Mag. Nat. Hist., ser. 7, xv, 304, 1905.
Distant, Cat. Homop., Cicadidae, pp. 1, 72, 1906.
Horvath, Ann. Mus. Natl. Hung., x, p. 602, 1912.
Distant, Genera Ins., fasc. 158, p. 1, 1914.

TRIBE *CICADINI* Van D.

Van Duzee, Check List Hemip., p. 56, 1916.

Cicadatraria Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 304, 1905.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 122, 1906. [(Division.)
Distant, Cat. Homop., Cicadidae, p. 72, 1906.
Distant, Genera Ins., fasc. 158, p. 1, 1914.

Genus **Cicada** Linn.
Logotype *orni* Linn.

Linnaeus, Syst. Nat., edn. 10, p. 434, 1758.
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2092, 1789.
Geoffroy, Hist. Abrég. des Ins., i, pp. 412, 429, 1762.
Scopoli, Ent. Carn., p. 112, 1763.
Brunnich, Entomolog., p. 58, 1764.
De Geer, Mémoires, iii, p. 158, 1773.
Goeze, Ent. Beytr., ii, p. 124, 1778.
Retzius, Gen. et Spec. Ins., p. 79, 1783.
Fourcroy, Ent. Paris., i, pp. 184, 193, 1785.
Lamarck, Syst. Anim. sans Vert., p. 292, 1801 (names *orni* Linn. type).
Van Duzee, Can. Ent., xlvi, p. 387, 1914.
Van Duzee, Check List Hemip., p. 56, 1916.

Tettigonia Fabricius, Syst. Ent., p. 678, 1775.
Thunberg, Charac. genera Ins., edn. 2, p. 32, 1791.
Fabricius, Syst. Rhyng., p. 33, 1803.

Tettigia Kolenati, Melet. Ent., vii, p. 6, 1857 (type *orni* Linn.).
Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 617, 1861.
Stål, Hemip. Afr., iv, p. 23, 1866.
Fieber, Cicad. d'Eur., i, p. 50, 1875; ii, p. 15, 1876.
Mayr, Tabellen, i, p. 15, 1884.
Uhler, Ent. Am., iv, p. 21, 1888.
Melichar, Cicad. Mitt. Eur., p. 3, 1896.
Froggat, Proc. Linn. Soc. N. S. Wales, xxix, p. 593, 1904.
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, pp. 305, 306, 1905.
Distant, Cat. Homop., Cicadidae, p. 74, 1906.
Distant, Genera Ins., fasc. 158, p. 3, 1914.

1501. **Cicada hieroglyphica** Say

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 235, 1830; Compl. Writ., ii, p. 371.
Harris, Rept. Ins. Mass., p. 176, 1841.
Distant, Biol. Centr. Am., Homop., i, p. 11, pl. 3, fig. 2, 1881, *Tettigia*.
Uhler, Stand. Nat. Hist., ii, p. 227, 1884, *Tettigia*.
Uhler, Ent. Am., iv, p. 22, 1888, *Tettigia*.
Woodworth, Psyche, v, p. 68, 1888, *Tettigia*.
Macgillivray, Can. Ent., xxxiii, p. 83, 1901, *Tettigia*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 184, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 88, 1910, *Tettigia*.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915, *Tettigia*.
Davis, Jl. N. Y. Ent. Soc., p. 60, 1916.
Van Duzee, Check List Hemip., p. 56, 1916.

characterea Germar, Thon, Ent. Archiv., ii, p. 40, 1830.
Localities: N. J., Pa., N. C., Ga., Fla., Miss., La., Texas.

a. var. **johannis** Walk.
Walker, List Homop., i, p. 149, 1850.
Stål, Of. Vet. Akad. Forh., xix, p. 484, 1862, *Tettigia.*
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 62, 1916.
sexguttata Walker, List Homop., i, p. 154, 1850.
Localities: N. C., Fla.

1501½. **Cicada chisos** Davis
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 62, pl. 6, fig. 7, 1916.
Locality: Texas.

TRIBE *FIDICININI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 310, 1905. (Div. *Fidicinaria.*)
Distant, Cat. Homop., Cicadidae, p. 84, 1906. (Div. *Fidicinaria.*)
Distant, Genera Ins., fasc. 158, p. 13, 1914. (Div. *Fidicinaria.*)
Van Duzee, Check List Hemip., p. 56, 1916.

Genus **Proarna** Stål
Logotype *hilaris* (Germ.)

Stål, Stet. Ent. Zeit., xxv, p. 61, 1864.
Stål, Hemip. Afr., iv, p. 7, 1866.
Distant, Biol. Centr. Am. Homop., i, p. 11, 1881.
Woodworth, Psyche, v, pp. 67, 68, 1888.
Ashmead, Ent. Am., iv, p. 141, 1888 (§*Proarno*).
Macgillivray, Can. Ent., xxxiii, pp. 75, 78, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, pp. 310, 311, 1905 (names *hilaris* [type).
Distant, Cat. Homop., Cicadidae, pp. 84, 85, 1906.
Distant, Genera Ins., fasc. 158, p. 14, 1914.

1502. **Proarna championi** Dist.
Distant, Biol. Centr. Am., Homop., i, p. 12, pl. 2, fig. 14, 1881.
Uhler, Ent. Am., iv, p. 84, 1888.
Woodworth, Psyche, v, p. 68, 1888.
Macgillivray, Can. Ent., xxxiii, p. 79, 1901.
Localities: Texas. (Mexico.)

1503. **Proarna venosa** (Uhl.)
Uhler, Ent. Am., iv, p. 82, 1888, *Prunasis.*
Macgillivray, Can. Ent., xxxiii, p. 77, 1901, *Prunasis.*
Distant, Cat. Homop., Cicadidae, p. 152, 1906, *Prunasis.*
Distant, Ann. Mag. Nat. Hist., ser. 8, viii, p. 134, 1911.
Distant, Genera Ins., fasc. 158, p. 16, 1914.
Localities: Texas, N. Mex.

Genus **Pacarina** Dist.
Orthotype *signifera* (Walk.)
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 314, 1905.
Distant, Cat. Homop., Cicadidae, pp. 85, 89, 1906.
Distant, Genera Ins., fasc. 158, p. 17, 1914.

1504. **Pacarina signifera** (Walk.)
Walker, List Homop., Suppl., p. 22, 1858, *Proarna.*
Distant, Biol. Centr. Am., Homop., i, p. 13, 1881, *Proarna;* p. 142, 1905.

Distant, Cat. Homop., Cicadidae, p. 89, 1906.
Distant, Genera Ins., fasc. 158, p. 17, 1914.
Localities: Texas. (Central America.)

Genus **Fidicina** Am. & Serv.
Logotype *mannifera* (Fabr.)

Amyot and Serville, Hémip., p. 472, 1843.
Stål, Rio Jan. Hemip., ii, p. 18, 1858.
Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 614, 1861.
Stål, Hemip. Afr., iv, p. 7, 1866.
Distant, Biol. Centr. Am., Homop., i, p. 16, 1881.
Uhler, Ent. Am., iv, p. 21, 1888.
Ashmead, Ent. Am., iv, p. 141, 1888.
Macgillivray, Can. Ent., xxxiii, pp. 75, 79, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 315, 1905 (names *mannifera* type).
Distant, Cat. Homop., Cicadidae, p. 91, 1906.
Distant, Genera Ins., fasc. 158, p. 18, 1914.

1505. **Fidicina pronoe** (Walk.)

Walker, List Homop., i, p. 144, 1850, *Cicada*.
Distant, Biol. Centr. Am., Homop., i, p. 16, pl. 1, fig. 6, 1881.
Uhler, Trans. Md. Acad. Sci., i, p. 148, 1892; ii, p. 2, 1903.
vinula Stål, Of. Vet. Akad. Forh., xi, p. 242, 1854.
compacta (Walker), Ins. Saund., Homop., p. 14, 1858, *Cicada*.
Localities: Texas. (Neotropical.)

TRIBE *ZAMMARINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 380, 1905. (Div. *Zammararia*.)
Distant, Cat. Homop., Cicadidae, p. 96, 1906.
Distant, Genera Ins., fasc. 158, p. 22, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 24, 1915.

Genus **Odopoea** Stål
Logotype *dilatata* (Fabr.)

Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 616, 1861.
Stål, Hemip. Afr., iv, p. i, 1866.
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 380, 1905 (names *dilatata* type).
Distant, Cat. Homop., Cicadidae, p. 96, 1906.
Distant, Genera Ins., fasc. 158, p. 23, 1914.

1506. **Odopoea funesta** (Walk.)

Walker, Ins. Saund., Homop., p. 2, 1858, *Zammara*.
Distant, Cat. Homop., Cicadidae, p. 97, 1906.
Localities: "N. Am." (West Indies.)
(Woodworth, Psyche, v, 68, records *Zammara smaragdina* Walk. from San Diego, Calif., on strength of specimen in Museum Comp. Zool. at Cambridge. The label "San Diego" must, however, have referred to San Diego, Mexico.)

Subfamily TIBICININAE (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 304, 1905.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 154, 1906.

Distant, Cat. Homop., Cicadidae, pp. 1, 107, 1906.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 23, 24, 1916.
Van Duzee, Check List Hemip., p. 56, 1916.

TRIBE *HYANTIINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 478, 1905. (Div. *Hyantiaria.*)
Distant, Cat. Homop., Cicadidae, p. 107, 1906. (Div. *Hyantiaria.*)
Van Duzee, Check List Hemip., p. 56, 1916.

Genus **Queseda** Dist.
Orthotype *gigas* (Oliv.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 478, 1905.
Distant, Cat. Homop., Cicadidae, p. 108, 1906.

1507. **Queseda gigas** (Oliv.)

Olivier, Encyc. Méth., v, p. 750, pl. 3, fig. 4, 1790, *Cicada.*
Distant, Biol. Centr. Am., Homop., i, p. 14, pl. 1, fig. 9, 1881, *Tympanoterpes.*
Karsch, Berl. Ent. Zeit., xxxv, p. 107, pl. 4, fig. 12, 1890, *Tympanoterpes.*
Uhler, Trans. Md. Acad. Sci., i, p. 147, 1892, *Tympanoterpes.*
Macgillivray, Can. Ent., xxxiii, p. 79, 1901, *Tympanoterpes.*
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 479, 1905 (as type of *Queseda*).
triupsilon (Walker), List Homop., i, p. 103, 1850, *Cicada.*
sonans (Walker), List Homop., i, p. 104, 1850, *Cicada.*
consonans (Walker), List Homop., i, p. 106, 1850, *Cicada.*
†*grossa* Stål, Rio Jan. Hemip., ii, p. 19, 1858, *Cicada.*
sibilatrix (Berg), Hemip. Argent., p. 210, 1879, *Tympanoterpes.*
Localities: Texas. (Neotropical.)

TRIBE *TETTIGADESINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 479, 1905. (Div. *Tettigadesaria.*)
Distant, Cat. Homop., Cicadidae, p. 109, 1906. (Div. *Tettigadesaria.*)
Van Duzee, Check List Hemip., p. 56, 1916.

Genus **Tettigades** Am. & Serv.
Haplotype *chilensis* A. & S.

Amyot and Serville, Hémip., p. 469, 1843.
Stål, Hemip. Afr., iv, p. 2, 1866.
Distant, Biol. Centr. Am., Homop., i, p. 5, 1881.
Ashmead, Ent. Am., iv, p. 141, 1888.
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 481, 1905.
Distant, Cat. Homop., Cicadidae, pp. 109, 110, 1906.

1508. **Tettigades mexicana** Dist.

Distant, Biol. Centr. Am., Homop., i, p. 6, pl. 2, fig. 9, 1881.
Uhler, Trans. Md. Acad. Sci., i, p. 167, 1892.
Localities: Ariz. (Mexico.)

TRIBE *CARINETINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 483, 1905. (Div. *Carinetaria.*)
Distant, Fauna Brit. Ind., Rhyn., iii, p. 160, 1906. (Div. *Carinetaria.*)
Distant, Cat. Homop., Cicadidae, p. 116, 1906. (Div. *Carinetaria.*)
Van Duzee, Check List Hemip., p. 56, 1916.

Genus **Herrera** Dist.
Orthotype *marginella* (Walk.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xv, pp. 484, 486, 1905.
Distant, Cat. Homop., Cicadidae, p. 121, 1906.

1509. **Herrera marginella** (Walk.)

Walker, List Homop., Suppl., p. 21, 1858, *Cicada.*
Distant, Biol. Centr. Am., Homop., i, p. 21, pl. 2, fig. 16, 1883, *Carineta.*
Uhler, Trans. Md. Acad. Sci., i, p. 166, 1892, *Carineta.*
Distant, Ann. Mag. Nat. Hist., ser. 7, xv, p. 486, 1905 (as type of *Herrera.*)
Distant, Cat. Homop., Cicadidae, p. 121, 1906.
ancilla (Stål), Stet. Ent. Zeit., xxv, p. 57, 1864, *Carineta.*
Localities: Ariz. (Neotropical.)

TRIBE *TIBICININI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, p. 22, 1905. (Div. *Tibicinaria.*)
Distant, Fauna Brit. Ind., Rhyn., iii, p. 162, 1906. (Div. *Tibicinaria.*)
Distant, Cat. Homop., Cicadidae, p. 123, 1906. (Div. *Tibicinaria.*)
Van Duzee, Check List Hemip., p. 56, 1916.

Genus **Tibicina** Kol.
Logotype *haematodes* (Scop.)

Kolenati, Melet. Ent., vii, p. 16, 1857.
Fieber, Cicad. d'Eur., ii, p. 20, 1876.
Mayr, Tabellen, i, p. 15, 1884.
Melichar, Cicad. Mitt. Eur., p. 5, 1896.
Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, p. 22, 1905 (names *haematodes* Scop
Distant, Cat. Homop., Cicadidae, p. 123, 1906. [type)
Oshanin, Kat. Palae. Hemip., p. 95, 1912.
Van Duzee, Check List Hemip., p. 56, 1916.
†*Tettigonia* Fallén, Hemip. Suec., Cicad., p. 79, 1826 (for *haematodes*).
†*Tibicen* Latreille, *in* Cuvier, Règne Anim., edn. 2, v, p. 215, note, 1829.
Latreille, *in* Cuvier Anim. Kingd., Lond. edn., iv, p. 174, 1836.
Amyot and Serville, Hémip., p. 482, 1843 (names *sanguinea* Fabr. type).
Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 617, 1861.
Stål, Hemip. Afr., iv, pp. 8, 25, 1866.
Distant, Biol. Centr. Am., Homop., i, p. 18, 1883.
Woodworth, Psyche, v, p. 67, 1888.
Uhler, Trans. Md. Acad. Sci., i, p. 160, 1892.
Macgillivray, Can. Ent., xxxiii, p. 74, 1901.
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 307, 1907.
Oshanin, Verz. Palae. Hemip., ii, p. 7, 1908.

1510. **Tibicina septendecim** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 436, 1758; edn. 12, ii, p. 708, 1767, *Cicada.*
Fabricius, Syst. Ent., p. 679, 1775, *Tettigonia.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2099, 1788, *Cicada.*
Olivier, Encyc. Méth., v, p. 749, 1790, *Cicada.*
Fabricius, Ent. Syst., iv, p. 19, 1794, *Tettigonia.*
Fabricius, Syst. Rhyng., p. 36, 1803, *Tettigonia.*
Germar, Thon, Ent. Archiv., ii, p. 4, 1830, *Cicada.*

Germar, Silb. Rev. Ent., ii, p. 64, 1834, *Cicada.*
Blanchard, Hist. des Ins., Hémip., p. 166, 1840, *Cicada.*
Harris, Rept. Ins. Mass., p. 167, 1841, *Cicada.*
Harris, Treat. Ins. Inj. Veg., edn. 2, p. 180, 1852, *Cicada.*
Emmons, Nat. Hist. N. Y., Ins., p. 150, pl. 9, fig. 3, 1854, *Cicada.*
Jager, Life of N. Am. Ins., p. 64, 1859, *Cicada* (annual appearance).
Stål, Ann. Soc. Ent. Fr., ser. 4, i, p. 618, 1861, *Tibicen.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 206, 1862, *Cicada.*
Riley, 1st Mo. Rept., p. 18, 1868, *Cicada.*
Stål, Hemip. Fabr., ii, p. 116, 1869, *Tibicen.*
Uhler, Stand. Nat. Hist., ii, p. 227, 1884, *Cicada.*
Lintner, 2d Rept. N. Y. St. Ent., p. 167, 1885, *Cicada.*
Riley, Rept. U. S. Dept. Agr. for 1885, p. 233, *Cicada.*
Woodworth, Psyche, v, p. 68, 1888, *Tibicen.*
Provancher, Pet. Faune Ent. Can., iii, p. 212, 1889, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 160, 1892, *Tibicen.*
Marlatt, U. S. Dept. Ag., Div. Ent., Bul. n. s. 14, 1898, *Cicada.*
Felt, N. Y. St. Museum Memoir 8, i, p. 231, pl. 46, fig. 2, 1905, *Tibicen.*
Distant, Cat. Homop. Cicadidae, p. 125, 1906.
Marlatt, U. S. Dept. Agr., Div. Ent., Bul. 71, 1907, *Cicada.*
Smith, Cat. Ins. N. J., edn. 3, p. 88, 1910, *Tibicen.*
costalis (Fabricius), Ent. Syst., Suppl., p. 516, 1798, *Tettigonia.*
Coquebert, Illust. Icon. Ins., i, p. 34, pl. 9, fig. 2, 1799, *Tettigonia.*
Stål, Hemip. Fabr., ii, p. 116, 1869, *Tibicen.*

race **tredecim** (Riley)
Riley, 1st Mo. Rept., p. 19, 1868, *Cicada.*

a. var. **cassinii** (Fisher)
Fisher, Proc. Acad. Nat. Sci. Phila., v, p. 272, 1851, *Cicada* (as form).
Riley, 1st Mo., Rept., p. 21, 1868, *Cicada.*
Localities: Vt., Mass., R. I., Conn., N. Y., N. J., Pa., Md., Del., D. C., Va., N. C., S. C., Ga., Ala., Ohio, Mich, Ill., Ind., Ky., Tenn., Miss., La., Ark., Kans., Mo., Okla.

Genus **Okanagana** Dist.
Orthotype *rimosa* (Say)

Distant Ann. Mag. Nat. Hist., ser. 7, xvi, pp. 23, 190, 1905.
Distant, Cat. Homop., Cicadidae, p. 126, 1906.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 24, 25, 1915. (Key.)

1511. **Okanagana cruentifera** (Uhl.)
Uhler, Trans. Md. Acad. Sci., i, p. 161, 1892, *Tibicen.*
Gillette and Baker, Hemip. Colo., p. 65, 1895, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 125, 1906, *Tibicina.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 25, 1915.
Localities: Colo., Nev., Calif.

1512. **Okanagana ornata** Van D.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 33, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Locality: Calif.

1512½. **Okanagana rotundifrons** Davis
Davis, Jl. N. Y. Ent. Soc., xxiv, p. 235, pl. 2, fig. 2, 1916.
Locality: Calif.

1513. **Okanagana arctostaphylae** Van D.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 34, 1915.
Locality: Calif.

1514. **Okanagana rubrovenosa** Davis
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 11, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 35, 1915.
Locality: Calif.

1515. **Okanagana tristis** Van D.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 35, 1915.
Locality: Calif.

1516. **Okanagana mariposa** Davis
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 12, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 36, 1915.
Locality: Calif.

1517. **Okanagana hirsuta** Davis
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 13, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 43, 1915.
Locality: Calif.

1518. **Okanagana rimosa** (Say)
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 235. 1830; Compl. Writ., ii, p. 372, *Cicada.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876, *Cicada.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332, *Cicada.*
Provancher, Pet. Faune Ent. Can., iii, p. 214, 1889, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 160, 1892, *Tibicen.*
Osborn, Proc. Ia. Acad. Sci., iii, p. 201, 1895, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 126, 1906.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 36, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
canadensis (Provancher), Pet. Faune Ent. Can., iii, p. 213, 1889, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 165, 1892, *Tibicen.*
Localities: Quebec, Ia., Colo., Utah, Nev., Calif., Br. Col., Vanc. Isd.

1519. **Okanagana canescens** Van D.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 37, 1915.
Locality: Calif

1520. **Okanagana occidentalis** (Walk.)
Walker *in* Lord's Nat. in Vanc. Isd., ii, p. 339, 1866, *Cicada.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 44, 1915.
Localities: Oregon, Vanc. Isd.

1521. **Okanagana schaefferi** Davis
Davis, Jl. N. Y. Ent. Soc., xxiii, p. 19, 1915.
Locality: Utah.

1522. **Okanagana vanduzeei** Dist.

Distant, Ann. Mag. Nat. Hist., ser. 8, xiv, p. 165, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 46, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 37, 1915. [jectural).
†*noveboracensis* Cooke, Inj. Ins. Orchard & Viny., p. 74, 1883, *Cicada* (con-
Localities: Calif., Wash.

a. var. **consobrina** Dist.

Distant, Ann. Mag. Nat. Hist., ser. 8, xiv, p. 165, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 46, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 38, 1915.
Locality: Calif.

1523. **Okanagana noveboracensis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 152, pl. 9, fig. 6, 1854, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 161, 1892, *Tibicen* (as var. of *rimosa*).
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892, *Cicada.*
Osborn, Proc. Ia. Acad. Sci., iii, p. 202, 1895, *Tibicen.*
Smith and Grossbeck, Ent. News, xviii, p. 129, 1907, *Tibicen.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 38, 1915.
†*rimosa?* Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 186, 1895, *Tibicen.*
Localities: Ont., N. Y., Pa., Ia.

1524. **Okanagana vandykei** Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 26, 38, 1915.
Locality: Calif.

1525. **Okanagana californica** Dist.

Distant, Ann. Mag. Nat. Hist., ser. 8, xiv, p. 166, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 46, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 39, 1915.
Locality: Calif.

1526. **Okanagana striatipes** (Hald.)

Haldeman, Stansbury's Exped. Salt Lake, p. 369, pl. 9, fig. 2, 1852, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 161, 1892, *Tibicen.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 39, 1915.
Localities: Utah, Calif., Ore.

1527. **Okanagana triangulata** Davis

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 14, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 40, 1915.
Locality: Calif.

1528. **Okanagana mercedita** Davis

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 16, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 40, 1915.
Locality: Calif.

1529. **Okanagana synodica** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 334, 1825; Compl. Writ., ii, p. 253, *Cicada.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 341, 1876; iii, p. 455, 1877, *Cicada.*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1332, *Cicada.*

Woodworth, Psyche, v, p. 68, 1888, *Tibicen.*
Gillette and Baker, Hemip. Colo., p. 64, 1895, *Tibicen.*
Macgillivray, Can. Ent., xxxiii, p. 78, 1901, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 126, 1906.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 40, 1915.
Localities: Colo., N. Mex.

1530. **Okanagana fratercula** Davis

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 20, 1915.
Locality: Utah.

1530½. **Okanagana oregona** Davis

Davis, Jl. N. Y. Ent. Soc., xxiv, p. 233, pl. 11, fig. 1, 1916.
Locality: Oregon.

1531. **Okanagana uncinata** Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 41, 1915.
Locality: Calif.

1532. **Okanagana minuta** Davis

Davis, Jl. N. Y. Ent. Soc., xxiii, p. 17, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 42, 1915.
Locality: Calif.

Genus **Tibicinoides** Dist.
Orthotype *cupreo-sparsa* (Uhl.)

Distant, Ann. Mag. Nat. Hist., ser. 8, xiv, p. 166, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 24, 27, 43, 1915.

1533. **Tibicinoides cupreo-sparsus** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 43, 1889; p. 161, 1892, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 125, 1906, *Tibicina.*
Distant, Ann. Mag. Nat. Hist., ser. 8, xiv, p. 166, 1914 (as type of *Tibicinoides*).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 28, 43, 1915.
Locality: Calif.

1534. **Tibicinoides hesperius** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 342, 1876, *Cicada.*
Uhler, Trans. Md. Acad. Sci., i, p. 161, 1892, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 125, 1906, *Tibicina?*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 27, 43, 1915.
Localities: Colo., Nev., Calif.

Genus **Clidophleps** Van D.
Orthotype *distanti* (Van D.)

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 24, 25, 31, 1915.

1535. **Clidophleps blaisdelli** (Uhl.)

Uhler, Trans. Md. Acad. Sci., i, p. 163, 1892, *Tibicen.*
Distant, Cat. Homop., Cicadidae, p. 126, 1906, *Okanagana.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 47, 1915, *Okanagana.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 32, 1915.
Locality: Calif.

1536. **Clidophleps distanti** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 47, 1914, *Okanagana.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 32, 1915.

a. var. **truncata** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 47, 1914, *Okanagana.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 32, 1915.

b. var. **pallida** (Van D.)

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 47, 1914, *Okanagana.*
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 33, 1915.
Locality: Calif.

TRIBE *PARNISINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, p. 203, 1905. (Div. *Parnisaria.*)
Distant, Fauna Brit. Ind., Rhyn., iii, p. 168, 1906. (Div. *Parnisaria.*)
Distant, Cat. Homop., Cicadidae, p. 139, 1906. (Div. *Parnisaria.*)
Van Duzee, Check List Hemip., p. 57, 1916.

Genus **Platypedia** Uhl.
Logotype *areolata* (Uhl.)

Uhler, Ent. Am., iv, p. 23, 1888.
Woodworth, Psyche, v, p. 67, 1888.
Ashmead, Ent. Am., iv, p. 141, 1888.
Macgillivray, Can. Ent., xxxiii, p. 74, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, pp. 204, 209, 1905 (names *areolata*
Distant, Cat. Homop., Cicadidae, pp. 140, 147, 1906. [type).
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, p. 24, 1915.

1537. **Platypedia putnami** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 455, 1877, *Cicada.*
Uhler, Ent. Am., iv, p. 23, 1888.
Gillette and Baker, Hemip. Colo., p. 65, 1895.
Macgillivray, Can. Ent., xxxiii, p. 76, 1901.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 24, 31, 1915.
Localities: Colo., Utah, Nev., Calif., Oreg.

1538. **Platypedia areolata** (Uhl.)

Uhler, Proc. Acad. Nat. Sci. Phila., xiii, p. 285, 1862, *Cicada.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 343, 1876, *Cicada.*
Uhler, Ent. Am., iv, p. 23, 1888.
Woodworth, Psyche, v, p. 68, 1888.
Distant, Cat. Homop., Cicadidae, p. 147, 1906.
Essig, Inj. Benef. Ins. Calif., edn. 2, p. 60, 1915.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 30, 1915.
Localities: Utah, Nev., Calif., Wash.

1539. **Platypedia intermedia** Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 30, 1915.
Locality: Calif.

1540. **Platypedia ampliata** Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 24, 29, 1915.
Locality: Ore.

1541. **Platypedia minor** Uhl.

Uhler, Ent. Am., iv, p. 81, 1888.
Macgillivray, Can. Ent., xxxiii, p. 76, 1901.
Distant, Cat. Homop., Cicadidae, p. 147, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 28, 1915.
Locality: Calif.

1542. **Platypedia aperta** Van D.

Van Duzee, Jl. N. Y. Ent. Soc., xxiii, pp. 25, 29, 1915.
Locality: Calif.

TRIBE *MALAMPSALTINI* (Dist.)

Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, p. 269, 1905. (Div. *Melampsaltaria.*)
Distant, Fauna Brit. Ind., Rhyn., iii, p. 171, 1906. (Div. *Melampsaltaria.*)
Distant, Cat. Homop., Cicadidae, p. 163, 1906. (Div. *Melampsaltaria.*)

Genus **Melampsalta** Kol.
Logotype *musiva* (Germ.)

Kolenati, Melet. Ent., vii, p. 27, 1857.
Stål, Hemip. Afr., iv, pp. 9, 42, 1866.
Sahlbg., Cicadariae, p. 77, 1871.
Woodworth, Psyche, v, pp. 67, 68, 1888.
Ashmead, Ent. Am., iv, p. 141, 1888.
Karsch, Berl. Ent. Zeit., xxxv, pp. 112, 123, 1890.
Distant, Monog. Oriental Cicad., p. 142, 1892.
Distant, Ann. Mag. Nat. Hist., ser. 7, xvi, p. 269, 1905.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 171, 1906.
Distant, Cat. Homop., Cicadidae, p. 163, 1906.
Oshanin, Kat. Palae. Hemip., p. 96, 1912.
Cicadetta Kolenati, Melet. Ent., vii, p. 19, 1857.
Fieber, Kat. Eur. Cicad., p. 1, 1872.
Fieber, Cicad. d'Eur., i, p. 52, 1875; ii, p. 50, 1876.
Mayr, Tabellen, i, p. 15, 1884.
Melichar, Cicad. Mitt. Eur., p. 8, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 17, 1896.
Oshanin, Verz. Palae. Hemip., ii, p. 13, 1906.
Tettigetta Kolenati, Melet. Ent., vii, p. 24, 1857.

1543. **Melampsalta calliope** (Walk.)

Walker, List Homop., i, p. 212, 1850, *Cicada.*
Kirkaldy, Can. Ent., xli, p. 390, 1909, *Cicada.*
‖*parvula* (Say), Jl. Acad. Nat. Sci., Phila., iv, p. 233, 1825; Compl. Writ., [ii, p. 253, *Cicada* (not. Fabr. 1798).
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 455, 1877, *Cicada.*
Uhler, Ent. Am., iv, p. 22, 1888, *Carineta.*
Woodworth, Psyche, v, p. 68, 1888.
Uhler, Trans. Md. Acad. Sci., i, p. 165, 1892.
Gillette and Baker, Hemip. Colo., p. 65, 1895.
Macgillivray, Can. Ent., xxxiii, p. 76, 1901.
Distant, Cat. Homop., Cicadidae, p. 177, 1906.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 184, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910, *Carineta.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915. [1776].
‖*pallescens* (Germar), Thon, Ent. Archiv., ii, p. 8, 1830, *Cicada* (not Muller,
Localities: N. J., N. C., Ga., Fla., Tenn., La., Ark., Ill., Neb., Kans., Ia., Colo., Texas.

Family CERCOPIDAE (Leach)

Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815, *Cercopida.*
Harris, Rept. Ins. Mass., p. 182, 1841, *Cercopididae.*
Fitch, Homop. N. Y. St. Cab., p. 52, 1851.
Stål, Stet. Ent. Zeit., xix, p. 234, 1858, *Cercopina.*
Dohrn, Cat. Hemip., p. 68, 1859, *Cercopina.*
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 224, 1862, *Cercopididae.*
Stål, Hemip. Afr., iv, p. 54, 1866, *Cercopida.*
Kirschbaum, Cicad. v. Wiesbd., pp. 9, 61, 1868, *Cercopina.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 718, 1870, *Cercopina.*
Sahlberg, Cicad., pp. 65, 80, 1871, *Cercopina.*
Fieber, Cicad. d'Eur., i, p. 41, 1875, *Cercopida.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 315, 1876.
Berg, Hemip. Arg., p. 231, 1879.
Uhler, Stand. Nat. Hist., ii, p. 242, 1884, *Cercopida.*
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 96.
Ashmead, Ent. Am., iv, p. 67, 1888.
Hansen, Ent. Tidskr., xi, p. 64, etc., 1890 (morphology).
Kirkaldy, Entomol., xxxiii, pp. 117, 337, 1900; xxxiv, p. 152; 1901; xxxv, p. [216, 1902 (transl. of Hansen, 1890).
Van Duzee, Trans. Am. Ent. Soc., xix, p. 296, 1892.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 483, 1895. (Key and catalogue.)
Melichar, Cicad. Mitt. Eur., p. 113, 1896.
Fowler, Biol. Centr. Am., Homop., ii, p. 174, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 204.
Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, pp. 296, 379, 1906.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 79, 1908.
Horvath, Ann. Mus. Natl. Hung., ix, p. 29, 1911.
Lallemand, Genera Ins., fasc. 143, p. 5, 1912 (synoptic).
Metcalfe, Ann. Ent. Soc. Am., x, p. 27, 1917 (wing venation).
Laevipedes Amyot and Serville, Hémip., pp. lxii, 553, 1843. (Race.)
Walker, List Homop., iii, p. 637, 1851.
Aphrophoroideae Spinola, Tavola Sinot., p. 56, 1850.

Subfamily CERCOPINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. lxiii, 558, 1843, *Cercopides.* (Groupe.)
Dohrn, Cat. Hemip., p. 69, 1859, *Cercopidae.*
Stål, Hemip. Afr., iv, p. 55, 1866, *Cercopida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 718, 1870, *Cercopina.*
Berg, Hemip. Arg., p. 231, 1879, *Cercopina.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 296, 1892, *Cercopida.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 483, 1895.

Fowler, Biol. Centr. Am., Homop, ii, p 174, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 207.
Distant, Fauna Brit. Ind. Rhyn., iv, pp. 79, 109, 1908.
Lallemand, Genera Ins., fasc. 143, pp. 6, 73, 1912.
Rhinaulacinae Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 380, 1906.

Genus **Monecphora** Am. & Serv.
Logotype *cingulata* (L. & S.)

Amyot and Serville, Hémip., p. 562, 1843.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 484, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 507, 1912.
Tomaspis (part) Stål, Stet. Ent. Zeit., xxv, p. 63, 1864.
Stål, Hemip. Afr., iv, p. 56, 1866.
Berg, Hemip. Arg., p. 232, 1879.
Fowler, Biol. Centr. Am., Homop., ii, p. 175, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 207.
Distant, Ann. Mag. Nat. Hist., ser. 8, iii, p. 192, 1909.
Lallemand, Genera Ins., fasc. 143, p. 89, 1912.

1544. **Monecphora schach** (Fabr.)

Fabricius, Ent. Syst., iv, p. 49, 1794, *Cercopis*.
Fabricius, Syst. Rhyng., p. 93, 1803, *Cercopis*.
Stål, Hemip. Fabr., ii, p. 118, 1869, *Tomaspis*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 507, 1912.
Lallemand, Genera Ins., fasc. 143, p. 97, 1912.
Van Duzee, Check List Hemip., p. 57, 1916.
Locality: "N. Am."

1545. **Monecphora bicincta** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 303, 1831; Compl. Writ., ii, p. 381, *Cer-*
Walker, List Homop., iv, p. 1152, 1852, *Triecphora?* [*copis.*
Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 389, 1856.
Stål, Stet. Ent. Zeit., xxv, p. 64, 1864, *Tomaspis*.
Glover, Rept. U. S. Dept. Ag. for 1876, p. 30.
Uhler, Stand. Nat. Hist., ii, p. 242, 1884, *Tomaspis*.
Van Duzee, Psyche, v, p. 388, 1890.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 207, *Tomaspis*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 50, 1907, ix, p. 204, 1909,
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910. [*Tomaspis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 507, 1912.
Lallemand, Genera Ins., fasc. 143, p. 91, 1912, *Tomaspis*.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914, *Tomaspis*.
bifascia Walker, List Homop., iii, p. 679, 1851.
Fowler, Biol. Centr. Am., Homop., ii, p. 180, 1897, *Tomaspis*.
angusta Walker, List Homop., iii, p. 680, 1851.
neglecta Walker, List Homop., iii, p. 683, 1851.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915, *Tomaspis*.
†*rubra* Fowler, Biol. Centr. Am., Homop., ii, p. 183, 1897 (part).

a. var. **ignipecta** Fitch.
Harris, Cat. Ins. Mass. *in* Hitchcock, Geol. Mass., p. 584, 1833, *Cercopis* (name
Harris, Rept. Ins. Mass., p. 182, 1841, *Cercopis* (name only). [only).
Walker, List Homop., iii, p. 725, 1851, *Ptyelus* (name only).

Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 389, 1856 (described).
Ball, Rept. Ia. Acad. Sci. for 1898, p. 208, *Tomaspis.*
Localities: Mass., Conn., N. Y., N. J., Pa., Md., D. C., W. Va., N. C., Ga., Fla., La., Ia., Kans., Ark., Texas. (Mexico, West Indies.)

Subfamily APHROPHORINAE (Am. & Serv.)

Amyot and Serville, Hémip., pp. lxiii, 563, 1843, *Aphrophorides.* (Groupe)
Dohrn, Cat. Hemip., p. 68, 1859, *Aphrophoridae.*
Stål, Hemip. Afr., iv, pp. 55, 66, 1866, *Aphrophorida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 722, 1870, *Aphrophorina.*
Berg, Hemip. Arg., p. 238, 1879, *Aphrophorina.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 296, 1892, *Aphrophorina.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 489, 1895.
Ball, Rept. Ia. Acad. Sci. for 1898, pp. 207, 209.
Distant, Fauna Brit. Ind., Rhyn., iv, pp. 79, 85, 1908.
Oshanin, Kat. Palae., Hemip., p. 97, 1912.
Lallemand, Genera Ins., fasc. 143, pp. 6, 18, 1912.
Ptyelinae Fowler, Biol. Centr. Am., Homop., ii, p. 174, 190, 1897.
†*Cercopinae* Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 380, 1906.

Genus **Aphrophora** Germ.
Logotype *spumaria* (Linn.) = *alni* (Fall.)

Germar, Mag. d. Ent., iv, pp. 38, 48, 1821.
Germar, Silb. Rev. Ent., i, p. 179, 1833.
Burmeister, Handb. d. Ent., ii, p. 121, 1835.
Amyot and Serville, Hémip., p. 563, 1843.
Walker, List Homop., iii, p. 697, 1851.
Flor, Rhyn. Livl., ii, p. 132, 1861.
Stål, Hemip. Afr., iv, p. 67, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 13, 1868.
Sahlberg, Cicad., p. 85, 1871.
Fieber, Cicad. d'Eur., i, p. 95, 1875.
Mayr, Tabellen, p. 24, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 97.
Provancher, Pet. Faune Ent. Can., iii, p. 254, 1889.
Edwards, Hemip. Homop., Brit. Isds., p. 78, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, pp. 484, 491, 1895.
Melichar, Cicad. Mitt. Eur., p. 118, 1896.
Fowler, Biol. Centr. Am., Homop., ii, p. 193, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 209.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 99, 1908.
Oshanin, Kat. Palae. Hemip., p. 97, 1912.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 506, 1912.
†*Cercopis* Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 380, 1906.
Lallemand, Genera Ins., fasc. 143, p. 58, 1912.

1546. **Aphrophora quadrinotata** Say

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 304, 1831; Compl. Writ., ii, p. 381.
Fitch, Homop. N. Y. St. Cab., p. 52, 1851.
Walker, List Homop., iv, p. 1154, 1852, *Ptyelus?*
Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 388, 1856.
Glover, Rept. U. S. Dept. Ag. for 1876, p. 31.

Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 510, 1878.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 256, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 211.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 61, 1912, *Cercopis*.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.
facialis Walker, Ins. Saund., Homop., p. 93, 1858.
Lallemand, Genera Ins., fasc. 143, p. 60, 1912.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ga., Fla., Ohio, Ill., Ia., N. Dak., Neb.

1547. **Aphrophora angulata** Ball

Ball, Rept. Ia. Acad. Sci. for 1898, p. 212.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Ball, Ann. Ent. Soc. Am., viii, p. 365, 1915 (habits).
Locality: Calif.

1548. **Aphrophora parallela** (Say)

Say, Long's 2d Exp., ii, p. 303, 1824; Compl. Writ., i, p. 202, *Cercopis*.
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 305, 1831; Compl. Writ., ii, p. 382.
Harris, Rept. Ins. Mass., p. 182, 1841.
Fitch, Homop. N. Y. St. Cab., p. 53, 1851, *Lepyronia*.
Walker, List Homop., iii, p. 713, 1851, *Ptyelus*.
Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 388, 1856; xvii, p. 737, 1857.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 225, 1862.
Uhler, Stand. Nat. Hist., ii, p. 243, 1884.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 255, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 741, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 213.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Felt, 7th Rept. N. Y. St. Forest, Fish, Game Comm., p. 508, pl. 12, fig. 22, 1908.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 61, 1912, *Cercopis*.
cribratus Walker, List Homop., iii, p. 712, 1851, *Ptyelus*.
Stål, Of. Vet. Akad. Forh., xix, p. 493, 1862.
Localities: Nov. Scot., Quebec, Ont., Vt., Mass., N. Y., N. J., Pa., Md., Mich., Ill., Mo., Ark.

1549. **Aphrophora irrorata** Ball

Ball, Rept. Ia. Acad. Sci. for 1898, p. 214.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 111, 1903.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Localities: Neb., Colo., N. Mex., Ariz., Calif., Br. Col.

1550. **Aphrophora permutata** Uhl.

Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 472 (MS name).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876 (described).
Uhler, Stand. Nat. Hist., ii, p. 243, 1884.
Gillette and Baker, Hemip. Colo., p. 71, 1895.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 214.
Ball, Ohio Nat., i, p. 123, 1901 (larvae).
Lallemand, Genera Ins., fasc. 143, p. 61, pl. 2, fig. 11, 1912, *Cercopis*.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Localities: Colo., N. Mex., Utah, Idaho, Mont., Calif., Wash., Ore.

1551. **Aphrophora saratogensis** (Fh.)

Fitch, Homop. N. Y. St. Cab., p. 53, 1851, *Lepyronia*.
Walker, List Homop., iv, p. 1153, 1852, *Ptyelus*.
Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 388, 1856; xvii, p. 738, 1857.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 390, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 215.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 205, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Lallemand, Genera Ins., fasc. 143, p. 62, 1912, *Cercopis*.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
detritus Walker, List Homop., iii, p. 713, 1851, *Ptyelus*.
Stål, Of. Vet. Akad. Forh., xix, p. 493, 1862, *Ptyelus*.
gelidus Walker, List Homop., iii, p. 714, 1851, *Ptyelus*.
Stål, Of. Vet. Akad. Forh., xix, p. 493, 1862, *Ptyelus*.
Localities: Nov. Scot., Ont., N. H., Mass., N. Y., N. J., Md., D. C., W. Va., N. C., Ga, Fla

1552. **Aphrophora annulata** Ball

Ball, Rept. Ia. Acad. Sci. for 1898, p. 216.
Ball, Ann. Ent. Soc. Am., viii, p. 365, 1915 (habits).
Locality: Utah.

1553. **Aphrophora signoreti** Fh.

Fitch, Trans. N. Y. St. Ag. Soc., xvi, p. 388, 1856.
Lintner, 5th Rept. N. Y. St. Ent., p. 245, 1889.
Van Duzee, Psyche, v, p. 390, 1890.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 217.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
Localities: Ont., N. Y., N. C.

1554. **Aphrophora corticea** Germ.

Germar, Mag. d. Ent., iv, p. 50, 1821.
Boheman, Vet. Akad. Handl. for 1847, p. 24.
Stål, Stet. Ent. Zeit., xix, p. 197, 1858.

Kirschbaum, Cicad. v. Wiesbd., p. 64, 1868.
Sahlberg, Cicad. p. 86, 1871.
Melichar, Cicad. Mitt. Eur., p. 119, 1896.
Ashmead, Harriman Alaska Exp., viii, p. 131, 1904.
Localities: Alaska. (Europe.)

Genus **Lepyronia** Am. & Serv.
Logotype *coleoptrata* (Linn.)

Amyot and Serville, Hémip., p. 567, 1843.
Flor, Rhyn. Livl., ii, p. 122, 1861.
Stål, Stet. Ent. Zeit., xxv, p. 67, 1864.
Stål, Hemip. Afr., iv, p. 66, 1866.
Stål, Of. Vet. Akad. Forh., xxvii, p. 722, 1870.
Sahlberg, Cicad., p. 82, 1871.
Fieber, Cicad. d'Eur., i, p. 95, 1875.
Mayr, Tabellen, p. 24, 1884.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 484, 1895.
Melichar, Cicad. Mitt. Eur., pp. 114, 117, 1896.
Fowler, Biol. Centr. Am., Homop., ii, p. 192, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 217.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 97, 1908.
Lallemand, Genera Ins., fasc. 143, pp. 51, 52, 1912.

1555. **Lepyronia quadrangularis** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 338, 1825; Compl. Writ., ii, p. 256, [*Cercopis.*
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 305, 1831; Compl. Writ., ii, p. 382,
Harris, Rept. Ins. Mass., p. 182, 1841, *Aphrophora.* [*Aphrophora.*
Fitch, Homop. N. Y. St. Cab., p. 53, 1851.
Walker, List Homop., iii, p. 716, 1851, *Ptyelus.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 389, 1856.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 225, 1862, *Aphrophora.*
Stål, Berl. Ent. Zeit., x, p. 384, 1866.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 346, 1876; iii, p. 457, 1877, *Aphro-*
Uhler, Stand. Nat. Hist., ii, p. 243, 1884, *Aphrophora.* [*phora.*
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 256, 1889, *Aphrophora.*
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Gillette and Baker, Hemip. Colo., p. 71, 1895.
Comstock, Manual Study Ins., p. 153, fig. 187, 1895.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 218.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 52, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.
Localities: Nov. Scot., Quebec, Ont., Me., N. H., Vt., Mass., Conn., N. Y., N. J., Pa., Md., D. C., W. Va., N. C., Ga., Fla., Miss., Ohio, Ia., Dak., Neb., Colo., Manitoba, Utah, Texas.

1556. **Lepyronia angulifera** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 348, 1876.
Gillette and Baker, Hemip. Colo., p. 71, 1895.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 219.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 204, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: N. J., Md., Fla., Texas, N. Mex. (Cuba, Mexico.)

1557. **Lepyronia gibbosa** Ball

Ball, Rept. Ia. Acad. Sci. for 1898, p. 219.
sordida Uhler, Stand. Nat. Hist., ii, p. 243, 1884.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 489, 1895.
Localities: Ill., Ia., Neb., Texas. (Mexico.)

? Lepyronia coleoptrata (Linn.)

(Oshanin credits this species to North America, but I am unable now to trace his authority. If found here it is probably Alaskan.)

Genus **Philaronia** Ball
Logotype *bilineata* (Say)

Ball, Rept. Ia. Acad. Sci. for 1898, p. 220.
Lallemand, Genera Ins., fasc. 143, p. 38, 1912.

1558. **Philaronia abjecta** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 346, 1876, *Philaenus.*
Baker, Can. Ent., xxix, p. 111, 1897, *Philaenus.*
Ball, Rept. Ia. Acad. Sci. for 1898, p. 221.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Ball, Ann. Ent. Soc. Am., viii, p. 365, 1915 (habits).
†*angulifera* Gillette and Baker, Hemip. Colo., p. 71, 1895, *Lepyronia.*
Localities: Neb., S. D., Colo., Utah, Ariz., Manitoba, Alaska.

1559. **Philaronia bilineata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 304, 1831; Compl. Writ., ii, p. 381,
Walker, List Homop., iv, p. 1154, 1852, *Ptyelus.* [*Aphrophora.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 347, 1876, *Philaenus* (as var. of
Baker, Can. Ent., xxix, p. 112, 1897, *Philaenus.* [*lineatus*).
Ball, Rept. Ia. Acad. Sci. for 1898, p. 222.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
†*lineatus* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 458, 1877; iv, p. 510,
Van Duzee, Psyche, v, p. 388, 1890, *Philaenus.* [1878, *Philaenus.*
Gillette and Baker, Hemip. Colo., p. 70, 1895, *Philaenus.*
americanus Baker, Can. Ent., xxix, p. 112, 1897, *Philaenus.*
Localities: Quebec, Ont., Me., N. H., Mass., Conn., S. Dak., Ia., Neb., Colo., Mont., Wyo., Idaho, N.W. Can.

Genus **Philaenus** Stål
Logotype *spumarius* (Fall.) = *leucophthalmus* (Linn.)

Stål, Stet. Ent. Zeit., xxv, p. 66, 1864.
Stål, Hemip. Afr., iv, pp. 68, 77, 1866.

Sahlberg, Cicad., pp. 66, 88, 1871.
Fieber, Cicad. d'Eur., i, p. 95, 1875.
Mayr, Tabellen, p. 24, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 98.
Provancher, Pet. Faune Ent. Can., iii, p. 257, 1889.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 485, 1895.
Melichar, Cicad. Mitt. Eur., p. 121, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 79, 1896.
Fowler, Biol. Centr. Am., Homop., ii, pp. 190, 193, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, pp. 209, 223.
Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 380, 1906.
†*Ptyela* Germar, Silb. Rev. Ent., i, p. 179, 1833.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 87, 1908.
Lallemand, Genera Ins., fasc. 143, p. 30, 1912, *Ptyelus* (part).
†*Cercopis* Kirkaldy, Entomol., xxxiii, p. 263, 1900.

1560. **Philaenus leucophthalmus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 437, 1758, *Cicada.*
Linnaeus, Faune Suec., p. 241, sp. 883, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 709, 1767, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2106, 1788, *Cicada.*
Fabricius, Mant. Ins., ii, p. 210, 1787, *Cicada.*
Fabricius, Ent. Syst., iv, p. 52, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 95, 1803, *Cercopis.*
Germar, Mag. d. Ent., iv, p. 53, 1821, *Aphrophora.*
Fallén, Hemip. Suec., Cicad., p. 17, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 515, 1828, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 128, 1861, *Ptyelus.*
Sahlberg, Cicad., p. 90, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 80, 1896.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.
Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 380, 1906.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908.
Lallemand, Genera Ins., fasc. 143, p. 36, 1912, *Ptyelus* (as variety).

a. var. **falleni** Van D.

Van Duzee, Can. Ent., xlvi, p. 388, 1915 (n.n. for *spumarius* Fall.).
Van Duzee, Check List Hemip., p. 57, 1916.
†*spumarius* Fallén, Hemip. Suec., Cicad., p. 14, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 514, 1828, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 126, 1861, *Ptyelus.*
Kirschbaum, Cicad. v. Wiesbd., p. 66, 1868, *Ptyelus.*
Stål, Hemip. Fabr., ii, p. 15, 1869.
Sahlberg, Cicad., p. 89, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 347, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 257, 1889.
Lintner, 5th Rept. N. Y. St. Ent., p. 245, 1889.
Van Duzee, Psyche, v, p. 240, 1890.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 496, 1895.
Melichar, Cicad. Mitt. Eur., p. 122, 1896.
Baker, Can. Ent., xxix, p. 111, 1897.

Ball, Rept. Ia. Acad. Sci. for 1898, p. 224.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 35, 1912, *Ptyelus* (as species).
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.

†*bifasciatus* (Fabricius), Syst. Rhyng., p. 98, 1803, *Cercopis.* (Not of Lin-[naeus; *see* Stål, Hemip. Fabr., ii, p. 16.)
Germar, Mag. d. Ent., iv, p. 51, 1821, *Aphrophora.*
Burmeister, Handb. d. Ent., ii, p. 122, 1835, *Aphrophora.*
Blanchard, Hist. des Ins., Hémip., p. 189, 1840, *Aphrophora.*
Walker, List Homop., iii, p. 719, 1851, *Ptyelus.*

b. var. **ustulatus** (Fall.)
Fallén, Hemip. Suec., Cicad., p. 19, 1826, *Cercopis.*
Sahlberg, Cicad., p. 91, 1871.
Melichar, Cicad. Mitt. Eur., p. 122, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 80, pl. 9, fig. 4, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.

c. var. **lateralis** (Linn.)
Linnaeus, Syst. Nat., edn. 10, i, p. 437, 1758, *Cicada.*
Linnaeus, Fauna Suec., p. 241, sp. 886, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 709, 1767, *Cicada.*
Fabricius, Ent. Syst., iv, p. 35, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis.*
Fallén, Hemip. Suec., Cicad., p. 18, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 515, 1828, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 128, 1861, *Ptyelus.*
Sahlberg, Cicad., p. 90, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 80, 1896.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.

d. var. **leucocephalus** (Linn.)
Linnaeus, Syst. Nat., edn. 10, i, p. 437, 1758, *Cicada.*
Linnaeus, Fauna Suec., p. 241, sp. 885, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 709, 1767, *Cicada.*
Fabricius, Mant. Ins., ii, p. 210, 1787, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2106, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 52, 1794, *Cercopis.*
Fabricius, Syst. Rhyng., p. 95, 1803, *Cercopis.*
Germar, Mag. d. Ent., iv, p. 53, 1821, *Aphrophora.*
Fallén, Hemip. Suec., Cicad., p. 18, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 515, 1828, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 128, 1861, *Ptyelus.*
Sahlberg, Cicad., p. 90, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 80, 1896.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.
Van Duzee, Can. Ent., xliv, p. 327, 1912.

albiceps Provancher, Nat. Can., iv, p. 351, 1872, *Ptyelus.*
Provancher, Pet. Faune Ent. Can., iii, p. 258, 1889.

e. var. **marginellus** (Fabr.)
Fabricius, Ent. Syst., iv, p. 52, 1794, *Cercopis.*
Fabricius, Syst. Rhyng., p. 95, 1803, *Cercopis.*
Germar, Mag. d. Ent., iv, p. 54, 1821, *Aphrophora.*
Fallén, Hemip. Suec., Cicad., p. 18, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 515, 1828, *Cercopis.*
Sahlberg, Cicad., p. 91, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 80, 1896.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.

f. var. **fasciatus** (Fabr.)
Fabricius, Ent. Syst., iv, p. 55, 1794, *Cercopis.*
Fabricius, Syst. Rhyng., p. 97, 1803, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 127, 1861, *Ptyelus.*
Sahlberg, Cicad., p. 90, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 79, 1886.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.

g. var. **fabricii** Van. D.
Van Duzee, Can. Ent., xlvi, p. 388, 1915.
Van Duzee, Check List Hemip., p. 58, 1916.
‖*lineatus* (Fabricius), Ent. Syst., iv, p. 52, 1794, *Cercopis.*
Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis.*
Germar, Mag. d. Ent., iv, p. 53, 1821, *Aphrophora.*
Fallén, Hemip. Suec., Cicad., p. 19, 1826, *Cercopis.*
Zetterstedt, Fauna Lapp., p. 516, 1828, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 129, 1861, *Ptyelus.*
Sahlberg, Cicad., p. 91, 1871.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 99.
Edwards, Hemip. Homop. Brit. Isds., p. 80, 1896.
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.
?oenotherae (Scopoli), Ent. Carn., p. 114, 1763, *Cicada.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.

h. var. **pallidus** (Zett.)
Zetterstedt, Fauna Lapp., p. 515, 1828, *Cercopis.*
Zetterstedt, Ins. Lapp., column 286, 1840, *Cercopis.*
Flor, Rhyn. Livl., ii, p. 128, 1861, *Ptyelus.*
Melichar, Cicad. Mitt. Eur., p. 123, 1896.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
†*oenotherae* Germar, Mag. d. Ent., iv, p. 53, 1821, *Aphrophora.*
Localities: Quebec, Ont., Me., N. Y., N. J., N. C., Dak., Utah, Manitoba, Alaska.

1561. **Philaenus lineatus** (Linn.)
Linnaeus, Syst. Nat., edn. 10, i, p. 438, 1758, *Cicada.*
Linnaeus, Fauna Suec., p. 241, sp. 888, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 709, 1767, *Cicada.*

?Scopoli, Ent. Carn., p. 144, 1763, *Cicada.*
Fallén, Hemip. Suec. Cicad., p. 20, 1826, *Cercopis.*
Burmeister, Hand. d. Ent., ii, p. 123, 1835, *Aphrophora.*
Flor, Rhyn. Livl., ii, p. 123, 1861, *Ptyelus.*
Kirschbaum, Cicad. v. Wiesbd., p. 65, 1868.
Stål, Hemip. Fabr., ii, p. 16, 1869.
Sahlberg, Cicad., p. 96, 1871.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 347, 1876; iv, p. 510, 1878.
Uhler, Stand. Nat. Hist., ii, p. 243, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 100.
Lintner, 4th Rept. N. Y. St. Ent., p. 120, 1888.
Provancher, Pet. Faune Ent. Can., iii, p. 258, 1889.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Edwards, Hemip. Homop. Brit. Isds., p. 81, pl. 9, fig. 10, 1896.
Melichar, Cicad. Mitt. Eur., p. 124, 1896.
Baker, Can. Ent., xxix, p. 112, 1897.
Ball, Rept. Ia. Acad. Sci. for 1898, p. 225.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 34, 1912, *Ptyelus.*

abbreviata (Fabricius), Ent. Syst., iv, p. 36, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis.*
Germar, Mag. d. Ent., iv, p. 54, 1821, *Aphrophora.*

basivitta (Walker), List. Homop., iii, p. 719, 1851, *Ptyelus.*
Localities: Nova Scot., Quebec, Ont., Me., N. H., Vt., Mass., N. Y., N. J.

Genus **Clastoptera** Germ.
Logotype *achatina* Germ.

Germar, Zeit. f. Ent., i, p. 187, 1838.
Walker, List. Homop., iii, p. 842, 1851.
Stål, Hemip. Afr., iv, p. 69, 1866.
Uhler, Stand. Nat. Hist., ii, p. 244, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 259, 1889.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 485, 1895.
Ball, Proc. Ia. Acad. Sci., iii, p. 183, 1895.
Fowler, Biol. Centr. Am., Homop., ii, p. 198, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Lallemand, Genera Ins., fasc. 143, p. 22, 1912.

1562. **Clastoptera obtusa** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 339, 1825; Compl. Writ., ii, p. 256, [*Cercopis.*
Harris, Rept. Ins. Mass., p. 182, 1841, *Aphrophora.*
Fitch, Homop. N. Y. St. Cab., p. 53, 1851.
Walker, List Homop., iii, p. 724, 1851; iv, p. 1154, 1852, *Ptyelus.*
Fitch, Trans. N. Y. St. Ag. Soc., xvi, pp. 389, 466, 474, 1856.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 225, 1862, *Aphrophora.*
Uhler, Stand. Nat. Hist., ii, p. 244, 1884.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Lintner, 5th Rept. N. Y. St. Ent., p. 242, 1889.

Provancher, Pet. Faune Ent. Can., iii, p. 259, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Lintner, 8th Rept. N. Y. St. Ent., p. 152, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Ball, Proc. Ia. Acad. Sci., iii, p. 188, 1895.
Fowler, Biol. Centr. Am., Homop., ii, p. 202. pl. 12, figs. 23, 24, 1898.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Lallemand, Genera Ins., fasc. 143, p. 23, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.
†*lineaticollis* Ball, Proc. Ia. Acad. Sci., iii, p. 190, 1895.
Lallemand, Genera Ins., fasc. 143, pl. 1, fig. 2, 1912.
[*lineata* Sign. MS], Lallemand, Genera Ins., fasc. 143, p. 24, 1912.
[*orbiculata* Sign. MS], Lallemand, Genera Ins., fasc. 143, p. 24, 1912.

a. var. **achatina** Germ.
Germar, Zeit. f. Ent., i, p. 187, 1839.
Fitch, Cat. Homop. N. Y. St. Cab., p. 53, 1851.
Walker, List Homop., iii, p. 842, 1851; iv, p. 1160, 1852.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.

b. var. **testacea** Fitch.
Fitch, Homop. N. Y. St. Cab., p. 53, 1851.
Walker, List Homop., iv, p. 1160, 1852.
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 739, 1857.
Van Duzee, Psyche, v, p. 388, 1890.
Ball, Proc. Ia. Acad. Sci., iii, p. 190, 1895.
Baker, Ent. News, xi, p. 463, 1900.
Lallemand, Genera Ins., fasc. 143, p. 24, 1912.

c. var. **tristis** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
†*achatina* Ball, Proc. Ia. Acad. Sci., iii, p. 190, 1895.
†*proteus* Provancher, Pet. Faune Ent. Can., iii, p. 260, 1889.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., Md., D. C., Va., W. Va., N. C., Ohio, Ia., Kans., Colo., Texas, N. Mex., Calif.

1563. **Clastoptera osborni** Gill. & Bak.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Ball, Proc. Ia. Acad. Sci., iii, p. 190, 1895 (as var. of *obtusa*).
Baker, Ent. News, xi, p. 463, 1900.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Lallemand, Genera Ins., fasc. 143, p. 24, 1912.
†*obtusa* Van Duzee, Trans. Am. Ent. Soc., xxiv, p. 111, 1903.
Localities: Colo., N. Mex., Ariz.

1564. **Clastoptera delicata** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 348, 1876; iii, p. 458, 1877.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Ball, Proc. Ia. Acad. Sci., iii, p. 184, 1895.
†*lineaticollis* Baker, Ent. News, xi, p. 463, 1900.
Locality: Colo.

1565. **Clastoptera xanthocephala** Germ.

Germar, Zeit. f. Ent., i, p. 189, 1839.
Walker, List Homop., iii, p. 843, 1851.
Ball, Proc. Ia. Acad. Sci., iii, p. 188, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 111, 1903.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 205, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Lallemand, Genera Ins., fasc. 143, p. 26, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.

a. var. **glauca** Van D.

Heidemann, Proc. Ent. Soc. Wash., iv, p. 399, 1901 (nomen nudum. Habits).
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: Pa., N. J., D. C., N. C., Ga., Fla., Ala., Miss., N. Mex., Texas, Ariz.

1566. **Clastoptera proteus** Fitch

Fitch, Homop. N. Y. St. Cab., p. 54, 1851.
Walker, List Homop., iv, p. 1160, 1852.
Flint *in* Harris, Treat. Ins. Inj. Veg., edn. 3, p. 225, 1862.
Uhler, Stand. Nat. Hist., ii, p. 244, 1884.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Ball, Proc. Ia. Acad. Sci., iii, p. 186, 1895.
Baker, Ent. News, xi, p. 463, 1900.
Van Duzee, 20th Rept. N. Y. Ent. Soc., p. 553, 1905.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 509, 1912.
Lallemand, Genera Ins., fasc. 143, p. 24, pl. 1, fig. 1, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 16, 1915.
saint-cyri Provancher, Nat. Can., iv, p. 351, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 260, 1889.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 509, 1912.
Van Duzee, Check List Hemip., p. 58, 1912 (as var. *a* of *proteus*).
flava Ball, Proc. Ia. Acad. Sci., iii, p. 187, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 205, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.

b. var. **vittata** Ball
Ball, Proc. Ia. Acad. Sci., iii, p. 187, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 205, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 509, 1912.

c. var. **pini** Fitch
Fitch, Homop. N. Y. St. Cab., p. 53, 1851.
Walker, List Homop., iv, p. 1160, 1852.
Fitch, Trans. N. Y. St. Ag. Soc., xvii, p. 738, 1857.
Van Duzee, Psyche, v, p. 388, 1890.
Lintner, 8th Rept. N. Y. St. Ent., p. 153, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 509, 1912.
‖*nigra* Ball, Proc. Ia. Acad. Sci., iii, p. 187, 1895.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910.
Localities: Quebec, Ont., N. H., Mass., Conn., N. Y., N. J., Pa., D. C., W. Va., N. C., Fla., Ill., Texas.
[Subspecies *flavicollis*, *cincticollis*, *maculicollis*, and *nigricollis* of Fitch, founded on characters common to all varieties, are untenable.]

1567. **Clastoptera lineatocollis** Stål
Stål, Of. Vet. Akad. Forh., xi, p. 253, 1854.
Walker, List Homop., Suppl., p. 260, 1858.
Stål, Freg. Eugen. Resa, Ins., p. 285, 1859.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 508, 1912.
Lallemand, Genera Ins., fasc. 143, p. 24, 1912 (as synon. of *obtusa*).
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.

a. var. **lineata** Ball
Ball, Proc. Ia. Acad. Sci., iii, p. 185, 1895.

b. var. **binotata** Ball
Ball, Proc. Ia. Acad. Sci., iii, p. 185, 1895.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Baker, Ent. News, xi, p. 463, 1900.
Lallemand, Genera Ins., fasc. 143, p. 23, 1912.
Localities: Colo., Utah, N. Mex., Calif.

1568. **Clastoptera unicolor** Fowl.
Fowler, Biol. Centr. Am., Homop., ii, p. 205, 1897.
?[*arkansasensis* Fitch MS], Fowler, Biol. Centr. Am., Homop., ii, p. 205, 1897.
Localities: Ark.(?). (Mexico, Centr. Am.)

Family **MEMBRACIDAE** (Germ.)

Germar, Mag. d. Ent., iv, p. 7, 1821, *Membracides.*
Latreille, Fam. Nat. Règne Anim., p. 427, 1825, *Membracides.*
Burmeister, Handb. d. Ent., ii, p. 126, 1835, *Membracina.*
Curtis, Brit. Ent., xvi, Gen., p. 14, 1840.
Blanchard, Hist. des Ins., Hémip., p. 179, 1840, *Membraciens.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 235, 1846, *Membracides.*
Walker, List Homop., ii, p. 472, 1851, *Membracina.*

Stål, Stet. Ent. Zeit., xix, p. 234, 1858, *Membracina.*
Dohrn, Cat. Hemip., p. 76, 1859.
Flor, Rhyn. Livl., ii, p. 100, 1861, *Membracina.*
Stål, Hemip. Afr., iv, p. 83, 1866, *Membracida.*
Kirschbaum, Cicad. v. Wiesbd., pp. 13, 66, 1868, *Membracina.*
Sahlberg, Cicad., p. 97, 1871, *Membracina.*
Fieber, Cicad. d'Eur., i, p. 39, 1875, *Membracida.*
Berg, Hemip. Arg., p. 238, 1879.
Provancher, Pet. Faune Ent. Can., iii, p. 225, 1889.
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892 (synopsis).
Fowler, Biol. Centr. Am., Homop., ii, p. 1, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 391, 1894 (catalogue).
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, p. 9, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 29, 1908 (synoptical; list of species).
Distant, Fauna Brit. Ind., Rhyn., iv, p. 1, 1908.
Horvath, Ann. Mus. Natl. Hung., ix, p. 29, 1911.
Matausch, Jl. N. Y. Ent. Soc., xix, p. 194, 1911 (parasitization).
Funkhauser, Ann. Ent. Soc. Am., vi, p. 74, 1913 (wing venation).
Funkhauser, Bul. Brookl. Ent. Soc., x, p. 45, 1915 (Fitch types).
Cornidorsi Amyot and Serville, Hémip., pp. lix, 532, 1843.
Centrotitae Spinola, Tavola Sinot., pp. 27, 53, 1850.

Subfamily SMILIINAE (Stål)

Stål, Hemip. Afr., iv, p. 83, 1866, *Smīliida.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 551, 1867. (Key.)
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
Fowler, Biol. Centr. Am., Homop., ii, pp. 3, 86, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 31, 32, 1908, *Smiliida.* (Key.)

TRIBE *CERASINI* Godg.

Goding, Trans. Am. Ent. Soc., xix, p. 256, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 32, 1908. (Key.)

Genus **Ceresa** Am. & Serv.
Logotype *vitulus* (Fabr.)

Amyot and Serville, Hémip., p. 539, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 283, 1846.
Walker, List Homop., ii, p. 525, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 552, 1867; xxvi, p. 245, 1869.
Stål, Hemip. Fabr., ii, p. 24, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 256, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 102, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 32, 1908. (Key.)

1569. **Ceresa patruelis** Stål

Stål, Stet. Ent. Zeit., xxv, p. 69, 1864 (spelled *patruclis*).
Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Butler, Cist. Ent., ii, p. 217, 1877.
Fowler, Biol. Centr. Am., Homop., ii, p. 105, 1895 (as synon. of *testacea*).
Van Duzee, Can. Ent., xli, p. 382, 1909.
Localities: Fla. (Mexico).

1570. **Ceresa diceros** (Say)

Say, Long's 2d Exped., ii, p. 299, 1824; Compl. Writ., i, p. 199, *Membracis.*
Germar, Silb. Rev. Ent., iii, p. 237, 1835, *Smilia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 285, 1846.
Fitch, Homop. N. Y. St. Cab., p. 50, 1851.
Walker, List Homop., ii, p. 527, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 16, 1854.
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 343, 1876.
Butler, Cist. Ent., ii, p. 215, 1877.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 234, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Gillette and Baker, Hemip. Colo., p. 66, 1895.
Buckton, Monog. Membr., p. 169, pl. 35, figs. 2, 3, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 35, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 164, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 331, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
postfasciata Amyot and Serville, Hémip., p. 540, pl. 10, fig. 3, 1843.

Localities: Nov. Scot., Quebec, Ont., N. Y., N. J., Pa., Md., N. C., Ohio, Ill., Ia., Kans., Mo., Dak., Colo., Texas., N. Mex., Mont.

1571. **Ceresa albescens** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 35, 1908.
Van Duzee, Can. Ent., xli, p. 381, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 165, 1910.
†*bubalus* var. *a.* and *b*, Fitch Homop., N. Y. St. Cab., p. 50, 1851.

Localities: Ont., N. Y., Kans.

1572. **Ceresa bubalus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 14, 1794, *Membracis.*
Fabricius, Syst. Rhyng., p. 20, 1803, *Centrotus.*
Walker, List Homop., ii, p. 531, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 17, 1854.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, pp. 335, 359, 1856.
Walker, List Homop, Suppl., p. 131, 1858.
Fitch, Trans. N. Y. St. Agr. Soc., xxvii, p. 889, 1868.
Stål, Hemip. Fabr., ii, p. 24, 1868.
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Riley, 5th Rept. Nox. Ins. Mo., p. 121, 1873.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 343, 1876; iii, p. 456, 1877.
Butler, Cist. Ent., ii, p. 215, 1877.

Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1332.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878.
Riley, Am. Nat., xvi, p. 822, 1882.
Cooke, Inj. Ins. Orchard, Vineyard, p. 71, 1883.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 235, 1889.
Goding, Insect Life, v, p. 92, 1892.
Slosson, Ent. News, v, p. 5, 1894.
Marlatt, Insect Life, vii, pp. 8–14, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 402, 1894 (bibliography).
Gillette and Baker, Hemip. Colo., p. 65, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 36, 1908.
Howard, Insect Book, p. 239, 1908. [raphy).
Hodgkiss, N. Y. Agr. Exp. Sta., Tech. Bul. 17, p. 92, 1910 (life history, bibliog-
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 165, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 331, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Essig, Inj., Benef. Ins. Calif., edn. 2, p. 61, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.

‡*bubalis* Fabricius, Syst. Rhyng., emend. after p. 314, 1803, *Centrotus.*

Localities: Nov. Scot., Quebec, Ont., N. H., Mass., N. Y., Pa., N. J., Md., Del., N. C., Tenn., Ohio, Ind., Ill., Ia., Minn., Kans., Mo., Dak., Mont., Wyo., Colo., Utah, N. Mex., Texas, Calif.

1573. **Ceresa occidentalis** Funkh.

Funkhauser, Ent. News, xxvi, p. 100, 1915.
Locality: Calif.

1574. **Ceresa brevitylus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 36, 1908; ix, p. 205, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 165, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: N. J., D. C., N. C., Ga., Fla.

1575. **Ceresa stimulea** Van D.

Van Duzee, Can. Ent., xlvi, p. 388, 1914.
Van Duzee, Check List Hemip., p. 58, 1916.

‖*aculeata* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 205, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Locality: Fla.

1576. **Ceresa taurina** Fitch

Harris, List Ins. Mass. *in* Hitchcock, Geol. Mass., p. 579, 1833 (MS name).
Walker, List Homop., ii, p. 495, 1851, *Enchenopa* (a MS name).
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 335, 1856 (described).
Walker, List Homop., Suppl., p. 131, 1858.

Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 550, 1869, *Membracis.*
Butler, Cist. Ent., ii, p. 215, 1877.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci. v, p. 187, 1894.
Marlatt, Insect Life, vii, p. 8, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 37, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 165, 1910.
Hodgkiss, N. Y. Exp. Sta., Tech. Bul. 17, p. 100, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Matausch, Bul. Am. Mus. Nat. Hist, xxxi, p. 332, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: Ont., Mass., N. Y., N. J., Pa., Va., N. C., Ohio, Mich., Ia., Kans., Colo., Ariz.

1577. **Ceresa constans** (Walk.)

Walker, List Homop., ii, p. 563, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Butler, Cist. Ent., ii, p. 215, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 37, 1908.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
†*subulata* Provancher, Pet. Faune Ent. Can., iii, p. 338, 1890.
illinoiensis Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 404, 1894.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: Ont., N. Y., N. C., Ill.

1578. **Ceresa palmeri** Van D.

Van Duzee, Can. Ent., xl, p. 114, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 38, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 166, 1910.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 332, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: Quebec, Ont., N. Y., N. C.

1579. **Ceresa borealis** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 284, 1846.
Walker, List Homop., ii, p. 526, 1851.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 38, 1908.
Van Duzee, Can. Ent., xli, p. 381, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 166, 1910.
Hodgkiss, N. Y. Agr. Exp. Sta., Tech. Bul. 17, p. 105, 1910 (life history).
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
†*bubalus* Fitch, Homop. N. Y. St. Cab., p. 50, 1851.
Localities: Ont., N. Y., N. J., Pa., N. C., Ohio, Kans., Colo., Utah.

1580. **Ceresa basalis** Walk.

Walker, List Homop., ii, p. 527, 1851.
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Butler, Cist. Ent., ii, p. 215, 1877.

Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 39, 1908.
Van Duzee, Can. Ent., xl, p. 114, 1908.
Cockerell, Univ. Colo. Studies, vii, p. 127, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 90, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
†*brevicornis* Provancher, Pet. Faune Ent. Can., iii, p. 235, 1889 (female).
†*semicrema* Provancher, Pet. Faune Ent. Can. iii, p. 235, 1889 (male).
melanogaster Osborn, Bul. Nat. Hist. Lab, Ia. St. Mus., ii, p. 390, 1893.
turbida Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 406, 1894.
Gillette and Baker, Hemip. Colo., p. 66, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 111, 1903.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
†*bubalus* Buckton, Monog. Membr., p. 170, pl. 35, fig. 4, 1902. [*cephala.*
?semi-brunnea Buckton, Monog. Membr., p. 174, pl. 36, fig. 6, 1902, *Sticto-*
Localities: Nov. Scot., Quebec, Ont., N. H., Mass., N. Y., N. J., Ill., Colo., Utah, N. Mex., Calif., Manitoba, Br. Col., Sask.

1581. **Ceresa albido-sparsa** Stål

Stål, Freg. Eugen. Resa, Ins., p. 283, 1859.
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Butler, Cist. Ent., ii, p. 215, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 39, 1908.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Localities: Nev., Calif.

1582. **Ceresa brevis** Walk.

Walker, List Homop., ii, p. 528, 1851.
Stål, Of. Vet. Akad. Forh., xxvi, p. 245, 1869.
Butler, Cist. Ent., ii, p. 218, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 40, 1908.
Localities: N. Y., Colo.(?).

1583. **Ceresa brevicornis** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 451, 1856.
Rathvon, *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Van Duzee, Psyche, v, p. 388, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 325, 1890.
Goding, Insect Life, v, p. 92, 1892.
Goding, Can. Ent., xxv, p. 196, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Moore, Can. Ent., xxxix, p. 189, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 40, 1908.
Localities: Quebec, Ont., Conn., N. Y., N. J., Pa., Ohio, Ill.

1584. **Ceresa femorata** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 289, 1846.
Walker, List Homop., ii, p. 532, 1851.
Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Fowler, Biol. Centr. Am., Homop., ii, p. 108, 1895, *Stictocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 41, 1908.
tacta Walker, List Homop., ii, p. 560, 1851, *Thelia.*
Localities: Colo., Calif.

1585. **Ceresa uniformis** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 289, 1846.
Walker, List Homop., ii, p. 533, 1851.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 41, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: Texas, N. C.(?) (Mexico.)
[May not be distinct from preceding.]

1586. **Ceresa angulata** (Walk.)

Walker, List Homop., ii, p. 558, 1851, *Thelia.*
Butler, Cist. Ent., ii, p. 354, 1878, *Eumela.*
Locality: N. C.

? **Ceresa vitulus** (Fabr.)

Osborn, Ohio Nat., iv, p. 100, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
[Doubtless erroneous determinations.]

Genus **Stictocephala** Stål
Logotype *lutea* Walk.

Stål, Hemip. Fabr., ii, p. 24, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 108, 1895.
Van Duzee, Bul. Buf. Nat. Sci., ix, p. 41, 1908. (Key.)
Van Duzee, Can. Ent., xlvi, p. 388, 1915 (names *lutea* type).
[*Zuela* Fitch MS] Goding, Can. Ent., xxv, p. 196, 1893.

1587. **Stictocephala inermis** (Fabr.)

Fabricius, Syst. Ent., p. 677, 1775, *Membracis.*
Goeze, Ent. Beytr., ii, p. 148, 1778, *Membracis.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2093, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 15, 1794, *Membracis.*
Fabricius, Syst. Rhyng., p. 21, 1803, *Centrotus.*
Fitch, Homop. N. Y. St. Cab., p. 48, 1851, *Smilia.*
Walker, List Homop., iv, p. 1142, 1852, *Thelia* (under *lutea*).
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 360, 1856, *Smilia.*
Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Smilia.*
Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 471, 1872.
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 509, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 237, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Goding, Insect Life, v, p. 92, 1892.
Townsend, Can. Ent., xxiv, p. 196, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Buckton, Monog. Membr., p. 174, pl. 36, fig. 5, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 44, 1908.

Felt, 7th Rept. N. Y. St. Fish, Forest, Game Comm., p. 529, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Hodgkiss, N. Y. Agr. Exp. Sta., Tech. Bul. 17, p. 108, 1910 (life history).
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 48, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915. [p. 377, *Membracis. goniphora* Say, Jl. Acad. Nat. Sci. Phila., vi, p. 243, 1830; Compl. Writ., ii, *sanguino-apicalis* Goding, Bul. Ill. St. Labr. Nat. Hist., iii, p. 408, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 50, 1908.
Localities: Quebec, Ont., N. Y., N. J., Pa., N. C., Ohio, Ill., Ia., Dak., Kans., Mo., Colo., N. Mex., Ariz., Calif., Mont.

1588. **Stictocephala pacifica** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 44, 1908.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Locality: Calif.

1589. **Stictocephala wickhami** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 44, 1908.
Localities: Calif., Wash.

1590. **Stictocephala substriata** (Walk.)

Walker, List Homop., ii, p. 558, 1851, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 45, 1908; ix, p. 206, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
Localities: N. J., N. C., Ga., Fla.

1591. **Stictocephala minuta** Funkh.

Funkhauser, Ent. News, xxvi, p. 99, 1915.
Locality: Ga.

1592. **Stictocephala festina** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 243, 1830; Compl. Writ., ii, p. 377, [*Membracis.*
Walker, List Homop., iv, p. 1141, 1852 (*festiva*).
Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Van Duzee, Psyche, v, p. 389, 1890.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 45, 1908; ix, p. 206, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 49, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
Wildermuth, Jl. Ag. Research, iii, p. 343, 1915 (life history).
†*uniformis* Stål, Hemip. Fabr., ii, p. 24, 1869.

a. var. **rufivitta** (Walk.)
Walker, List Homop., ii, p. 559, 1851, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 46, 1908.
?*dubia* Fowler, Biol. Centr. Am., Homop., ii, p. 109, 1895.
§*rubrovitta* Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.

b. var. **angulata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 46, 1908.

Localities: N. J., Pa., N. C., Va., Ga., Fla., Ala., Miss., La., Kans., Mo., Ia., Colo., Texas, Ariz., Calif., Mont. (West Indies.)

1593. ? **Stictocephala rotundata** Stål

Stål, Of. Vet. Akad. Forh., xxvi, p. 246, 1869.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 46, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
†*uniformis* Guerin *in* La Sagra, Hist. de Cuba, vii, p. 434, pl. 13, fig. 20, 1857.

Localities: N. C., Fla. (det. doubtful). (Neotropical.)

1594. **Stictocephala gillettei** Godg.

Goding, Ent. News, iii, pp. 108, 200, 1892.
Gillette and Baker, Hemip. Colo., p. 66, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 47, 1908.

Localities: Colo., Utah, Calif.

1595. **Stictocephala collina** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 47, 1908.

Locality: Colo.

1596. **Stictocephala nigricans** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 49, 1914.

Locality: Calif.

1597. **Stictocephala franciscana** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 284, 1859, *Ceresa.*
Stål, Hemip. Fabr., ii, p. 24, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 247, 1869.
?Gillette and Baker, Hemip. Colo., p. 66, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 48, 1908.

Localities: Calif., Wash., Colo.?

1598. **Stictocephala lutea** (Walk.)

Walker, List Homop., ii, p. 559, 1851, *Thelia.*
Stål, Hemip. Fabr., ii, p. 24, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 247, 1869.
Goding, Insect Life, v, p. 92, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Buckton, Monog. Membr., p. 195, pl. 42, fig. 7, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 49, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 166, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915. [*Gargara.*
pectoraiis Emmons, Nat. Hist. N. Y., Ins., p. 157, pl. 13, fig. 12, 1854,
†*festina* Provancher, Pet. Faune Ent. Can., iii, p. 237, 1889.

Localities: Quebec, Ont., Conn., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ill.

1599. **Stictocephala diminuta** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 49, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: N. C., Fla.

1600. **? Stictocephala nervosa** Buckt.

Buckton, Monog. Membr., p. 195, pl. 42, fig. 8, 1903 (unrecognizable?).
Locality: "N. Y."

Genus **Stictolobus** Metcalf.
Orthotype *subulata* (Say)

Metcalfe, Ent. News, xxvii, p. 2, 1916.

1601. **Stictolobus subulatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 300, 1831; Compl. Writ., ii, p. 378,
Walker, List Homop., iv, p. 1143, 1852, *Thelia.* [*Membracis.*
Van Duzee, Psyche, v, p. 387, 1890, *Membracis.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 410, 1894, *Stictocephala?*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 50, 1908, *Stictocephala?*
Metcalfe, Ent. News, xxvii, p. 3, 1916.
Localities: Md., N. C.

Genus **Acutalis** Fairm.
Logotype *fusconervosa* Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 496, 1846.
Stål, Of. Vet. Akad. Forh., xxiv, p. 552, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 113, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 50, 1908. (Key.)

1602. **Actualis tartarea** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 242, 1830; Compl. Writ., ii, p. 376,
Walker, List Homop., iv, p. 1141, 1852, *Ceresa.* [*Membracis.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 51, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915.
Localities: Mass., N. Y., N. J., Pa., D. C., Fla., Ill., Ia., Mo., Colo., Utah.

a. var. **semicrema** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 242, 1830; Compl. Writ., ii, p. 376,
Walker, List Homop., iv, p. 1141, 1852, *Ceresa.* [*Membracis.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876.
Van Duzee, Psyche, v, p. 389, 1890.
Harrington, Ottawa Nat., vi, p. 30, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 51, 1908; ix, p. 206, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 167, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 332, 1912.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 5, 1915.
anticonigra Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 498, 1846.
Walker, List Homop., ii, p. 592, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 391, 1856.
brunnea Provancher, Nat. Can., iv, p. 320, 1872, *Tragopa.*
Provancher, Pet. Faune Ent. Can., iii, p. 248, 1889 *Tragopa.*
Localities: Quebec, Ont., Mass., N. Y., Pa., D. C., N. C., Fla., Miss., Ill., Ia., Mo., Colo., Utah.

1603. **Acutalis inornata** Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 119, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 51, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Locality: Fla.

Genus **Micrutalis** Fowl.
Logotype *binaria* (Fairm.)

Fowler, Biol. Centr. Am., Homop., ii, p. 116, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 52, 1908. (Key.)

1604. **Micrutalis dorsalis** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 52, 1851, *Tragopa.*
Walker, List Homop., iv, p. 1147, 1852, *Tragopa.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 390, 1856, *Acutalis.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Acutalis.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876, *Acutalis.*
Saunders, Ins. Inj. to Fruits, p. 289, 1883, *Acutalis.*
Van Duzee, Psyche, v, p. 391, 1890, *Acutalis.*
Goding, Insect Life, v, p. 92, 1892, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 53, 1908.
Localities: Quebec, Ont., N. Y., N. C., Mich., Texas.

1605. **Micrutalis calva** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 242, 1830; Compl. Writ., ii, p. 376,
Walker, List Homop., iv, p. 1141, 1852, *Ceresa.* [*Membracis.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 391, 1856, *Acutalis.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876, *Acutalis.*
Van Duzee, Psyche, v, p. 389, 1890, *Acutalis.*
Goding, Insect Life, v, p. 92, 1892, *Acutalis.*
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 51, 1907, *Acutalis.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 53, 1908; ix, p. 206, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 167, 1910.
Matausch, Psyche, xix, p. 66, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
flavipennis Germar, Silb. Rev. Ent., iii, p. 240, 1835, *Smilia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 497, 1846; *Acutalis.*

a. var. **illinoiensis** (Godg.)
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 430, 1894, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 53, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 6, 1915.
Localities: N. H., Mass., N. Y., Pa., Md., D. C., Va., N. C., Ga., Fla., Ala., Miss., Ohio, Mich., Ill., Mo., Kans., Ia., Ark., Texas, Colo. (West Indies.)

1606. **Micrutalis occidentalis** (Godg.)
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 429, 1894, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 53, 1908.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.

a. var. **binotata** (Godg.)
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 430, 1894, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 54, 1908.
Localities: Utah, Calif.

1607. **Micrutalis parva** (Godg.)
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 429, 1894, *Acutalis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 54, 1908.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.
Localities: Ariz., Calif.

Genus **Parantonaë** Fowl.
Haplotype *dipteroides* Fowl.

Fowler, Biol. Centr. Am., Homop., ii, p. 101, 1895.

1608. **Parantonaë hispida** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 49, 1914.
Locality: Calif.

TRIBE *TELAMONINI* Godg.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 32, 54, 1908. (Key.)

Genus **Carynota** Fitch
Logotype *mera* (Say)

Fitch, Homop. N. Y. St. Cab., p. 48, 1851.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Van Duzee, Bul. Soc. Nat. Sci., ix, p. 55, 1908. (Key.)
§*Caranota* Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867 (as synon. of *Ophi-*
Walker, List Homop., iv, p. 1144, 1852. [*derma*).
Optilete Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867 (orthotype *porphyrea*).

1609. **Carynota mera** (Say)
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 301, 1831; Compl. Writ., ii, p. 379, *Mem-*
Fitch, Homop. N. Y. St. Cab., p. 48 1851. [*bracis.*
Walker, List Homop., iv, p. 1144, 1852.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 465, 1856, *Ophiderma.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Ophiderma.*
Provancher, Pet. Faune Ent. Can., iii, p. 246, 1889.

Van Duzee, Psyche, v, p. 389, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 342, 1890, *Ophiderma.*
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 56, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 167, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 332, 1912.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.

majus Emmons, Nat. Hist. N. Y., Ins., p. 156, pl. 13, fig. 6, 1854, *Gargara.*
strombergi Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 443, 1894.

Localities: Quebec, Ont., N. Y., N. J., Pa., N. C., Ohio, Ill., Ia., Mo., Texas.

1610. **Carynota maculata** Funkh.

Funkhauser, Ent. News, xxvi, p. 98, 1915.

Locality: Fla.

1611. **Carynota stupida** (Walk.)

Walker, List Homop., ii, p. 577, 1851, *Darnis.*
Butler, Cist. Ent., ii, p. 343, 1878, *Hypheus.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 450, 1894, *Hypheus.*
Van Duzee, Can. Ent., xliv, p. 326, 1912.

†*marmorata* Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 247, 1889, *Ophiderma.*
Harrington, Ottawa Nat., vi, p. 30, 1892.

muskokensis Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 444, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 56, 1908.

albopicta Buckton, Monog. Membr., p. 135, pl. 29, fig. 1, 1902, *Hypheus.*

Localities: Nov. Scot., Quebec, Ont., Me., Mass.

1612. **Carynota vera** Godg.

Goding, Can. Ent., xxvii, p. 276, 1895 (probably = preceding).

Locality: Me.

1613. **Carynota marmorata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 301, 1831; Compl. Writ., ii, p. 379, *Mem-*
Fitch, Homop. N. Y. St. Cab., p. 49, 1851, *Cyrtosia.* [*bracis.*
Walker, List. Homop., ii, p. 555, 1851, *Thelia;* iv, p. 1146, 1852, *Cyrtosia.*
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Goding, Insect Life, v, p. 93, 1892.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, pp. 445, 481, 1894.
Slosson, Ent. News, vii, p. 265, 1896.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 56, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.

tripartita Walker, List Homop., ii, p. 576, 1851, *Darnis.*
Butler, Cist. Ent., ii, p. 343, 1878, *Hyphaeus.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 449, 1894, *Hypheus.*

Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., N. C., Ill.

1614. **Carynota porphyrea** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 306, 1846, *Thelia*
Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867, *Optilete.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 57, 1908.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
picta Provancher, Pet. Faune Ent. Can., iii, p. 246, 1889.
Localities: Quebec, N. Y., N. C.

Genus **Thelia** Am. & Serv.
Haplotype *bimaculata* (Fabr.)

Amyot and Serville, Hémip., p. 540, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 305, 1846.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 334, 1856.
Stål, Of. Vet. Akad. Forh., xxiv, p. 555, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 136, 1896 (notice).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 54, 57, 1908.

1615. **Thelia bimaculata** (Fabr.)

Fabricius, Ent. Syst., iv, p. 10, 1794, *Membracis.*
Coquebert, Illus. Icon. Ins., i, p. 31, pl. 8, fig. 1, 1799, *Membracis.*
Fabricius, Syst. Rhyng., p. 14, 1803, *Membracis.*
Harris, Rept. Ins. Mass., p. 179, 1841, *Hemiptycha.*
Amyot and Serville, Hémip., p. 541, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 312, 1846.
Fitch, Homop. N. Y. St. Cab., p. 52, 1851.
Walker, List Homop., ii, p. 566, 1851; iv, p. 1142, 1852.
Emmons, Nat. Hist. N. Y., Ins., p. 156, pl. 3, fig. 15, 1854.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 221, 1862, *Hemiptycha.*
Stål, Hemip. Fabr., ii, p. 115, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Provancher, Pet. Faune Ent. Can., iii, p. 242, pl. 5, fig. 9, 1889.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 57, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 168, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 333, 1912.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Funkhauser, Ann. Ent. Soc. Am., viii, p. 140, 1915 (life history).
†*acuminata* Harris, Rept. Ins. Mass., p. 179, 1841, *Hemiptycha* (female).
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., N. C., Ohio, Ill.

1616. **Thelia uhleri** Stål

Stål, Of. Vet. Akad. Forh., xxvi, p. 248, 1869.
Van Duzee, Psyche, v, p. 291, 1890.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 58, 1908.
Localities: Ont., N. Y., Pa., Mich., Ill., Wis., Kans.

Genus **Glossonotus** Butl.
Logotype *acuminatus* (Fabr.)

Butler, Cist. Ent., ii, p. 222, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 54, 58, 1908. (Key.)

1617. **Glossonotus acuminatus** (Fabr.)

Fabricius, Syst. Ent., p. 675, 1775, *Membracis.*
Goeze, Ent. Beytr., ii, p. 147, 1778, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, 2094, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 11, 1794, *Membracis.*
Fabricius, Syst. Rhyng., p. 18, 1803, *Centrotus.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 310, pl. 5, fig. 15, 1846, *Thelia.*
Walker, List Homop., ii, p. 564, 1851, *Thelia.*
Stål, Hemip. Fabr., ii, p. 115, 1869, *Telamona.*
Butler, Cist. Ent., ii, p. 222, 1877.
Van Duzee, Psyche, v, p. 391, 1890, *Thelia.*
Goding, Insect Life, v, p. 93, 1892, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 59, 1908.
Felt, 7th Rept. N. Y. Forest, Fish, Game Comm., p. 529, pl. 16, fig. 17, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Localities: Ont., Mass., N. Y., N. J., Pa., Mich., Ia., Kans., Ark.

1618. **Glossonotus turriculatus** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 1, 1854, *Telamona.*
Van Duzee, Psyche, v, p. 391, 1890, *Thelia.*
Goding, Can. Ent., xxv, p. 196, 1893, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 59, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
[*robinae* Fitch MS], Goding, Can. Ent., xxv, p. 196, 1893, *Thelia* (as synon.).
Localities: Mass., N. Y., N. J., Ohio, Ill.

1619. **Glossonotus univittatus** (Harr.)

Harris, Rept. Ins. Mass., p. 180, 1841, *Membracis.*
Walker, List Homop., ii, p. 494, 1851, *Enchenopa.*
Fitch, Trans. N. Y. St. Agr., Soc., xvi, p. 390, 1856, *Thelia.*
Harris, Treat Ins. Inj. Veg., edn. 3, p. 223, 1862, *Membracis.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Thelia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 510, 1878, *Thelia.*
Van Duzee, Psyche, v, p. 391, 1890, *Thelia.*
Packard, 5th Rept. U. S. Ent. Comm., p. 98, 1890, *Thelia.*
Goding, Insect Life, v, p. 93, 1892, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894, *Thelia.*
Van Duzee, Ent. News, vi, p. 203, 1895, *Thelia.*
Gillette and Baker, Hemip. Colo., p. 67, 1895, *Thelia.*
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 111, 1903, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 59, 1908.
Van Duzee, Can. Ent., xli, p. 382, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Localities: Ont., Mass., N. Y., N. J., Pa., Ill., Dak., Mont., Colo., N. Mex.

1620. **Glossonotus godingi** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894, *Thelia* (nomen nudum).
Van Duzee, Ent. News, vi, p. 203, 1895, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 59, 1908.
Felt, 7th Rept. N. Y. Forest, Fish, Game Comm., p. 529, 1908, *Telamona.*
Van Duzee, Can. Ent., xli, p. 382, 1909, *Thelia.*
Van Duzee, Can. Ent., xliv, p. 326, 1912.
†*univittata* Fitch, Homop., N. Y. St. Cab., p. 52, 1851, *Thelia.*
Provancher, Pet. Faune Ent. Can., iii, p. 241, 1889, *Thelia.*
dorsalis Buckton, Monog. Membr., p. 197, pl. 43, fig. 3, 1903, *Telamona.*
Localities: Quebec, Ont., Mass., N. Y., Colo.

1621. **Glossonotus crataegi** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 52, 1851, *Thelia.*
Walker, List Homop., iv, p. 1144, 1852, *Thelia?*
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 2, 1854, *Thelia.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 334, 1856, *Thelia.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Thelia.*
Saunders, Ins. Inj. to Fruits, p. 46, fig. 37, 1883, *Thelia.*
Van Duzee, Psyche, v, p. 391, 1890, *Thelia.*
Goding, Insect Life, v, p. 93, 1892, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894, *Thelia.*
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 59, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
†*pyramidoides* Smith, Cat. Ins. N. J., edn. 2, p. 85, 1900, *Thelia.*
Localities: Ont., N. Y., N. J., Pa., Ill., Mo.

Genus **Heliria** Stål
Logotype *cristata* (Fairm.)

Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 55, 60, 1908.

1622. **Heliria cristata** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 311, pl. 5, fig. 14, 1846, *Thelia.*
Walker, List Homop., ii, p. 565, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867; xxvi, p. 249, 1869.
Goding, Can. Ent., xxv, p. 171, 1893.
Fowler, Biol. Centr. Am., Homop., ii, p. 144, pl. 9, fig. 6, 1896, *Telamona.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 60, 1908.
Van Duzee, Can. Ent., xli, p. 382, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
fagi Fitch, Homop., N. Y. St. Cab., p. 51, 1851, *Telamona.*
acclivata Emmons, Nat. Hist. N. Y. Ins., p. 155, pl. 3, fig. 5, 1854, *Telamona.*
Localities: N. Y., N. J., N. C., Ill.

1623. **Heliria scalaris** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 311, 1846, *Thelia.*
Walker, List Homop., ii, p. 565, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867; xxvi, p. 249, 1869.
Provancher, Pet. Faune Ent. Can., iii, p. 243, 1889, *Telamona.*

Van Duzee, Psyche, v, p. 390, 1890.
Goding, Ent. News, iii, p. 200, 1892 (male).
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 61, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
†*fagi* Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 3, fig. 10, 1854, *Telamona*.
Localities: Quebec, Ont., N. Y., N. J., Pa., Ill., Colo.

1624. **Heliria projecta** (Butl.)

Butler, Cist. Ent., ii, p. 221, 1877, *Telamona*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 120, 1908, *Telamona*.
cucullata Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 70, 1908, *Telamona*.
Locality: N. Y.

1625. **? Heliria strombergi** Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 423, 1894.
Goding, Insect Life, v, p. 93, 1892.
Locality: Ill.

1626. **? Heliria anoflava** Buckt.

Buckton, Monog. Membr., p. 198, pl. 43, fig. 4, 1903.
Locality: "N. Am."

Genus **Telamona** Fitch
Logotype *ampelopsidis* Harr.

Fitch, Homop. N. Y. St. Cab., p. 50, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 555, 1867.
Butler, Cist. Ent., ii, p. 220, 1877.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 143, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 55, 61, 1908. (Key.)

1627. **Telamona alta** Funkh.

Funkhauser, Ent. News, xxvi, p. 97, 1915.
Locality: Ga.

1628. **Telamona declivata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 64, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 91, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.
Localities: Me., N. Y., N. J., Ohio, Calif.

1629. **Telamona pyramidata** Uhl.

Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1333.
Van Duzee, Psyche, v, p. 391, 1890.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Tucker, Univ. Kans. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 64, 1908.
Locality: Colo.
[Goding's other localities probably refer to preceding species.]

1630. **Telamona barbata** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 65, 1908.
Matausch, Bul. Am. Mus., Nat. Hist., xxxi, p. 332, 1912.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Localities: N. Y., Ind., N. Mex., Calif.

1631. **Telamona viridia** Ball
Ball, Proc. Biol. Soc. Wash., xvi, p. 178, pl. 1, fig. 3, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 66, 1908.
Localities: Ia., Colo.

1632. **Telamona obsoleta** Ball
Ball, Proc. Biol. Soc. Wash., xvi, p. 178, pl. 1, fig. 2, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 66, 1908.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Localities: N. Y., Ill., Ia., Kans.

1633. **Telamona westcotti** Godg.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 415, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 66, 1908.
Localities: N. Y., N. C., Ill.

1634. **Telamona dubiosa** Van D.
Van Duzee, Check List Hemip., p. 59, 1916 (n.n. for *irrorata* Godg.).
‖*irrorata* Goding, Insect Life, v, p. 93, 1892 (nomen nudum).
Goding, Can. Ent., xxv, p. 172, 1893 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 418, 1894.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: N. Y., N. J., Ill.

1635. **Telamona reclivata** Fitch
Fitch, Homop. N. Y. St. Cab., p. 51, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 7, 1854.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 244, 1889.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Slosson, Ent. News, vii, p. 265, 1896.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 67, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
†*cyrtops* Butler, Cist., Ent., ii, p. 222, 1877.
Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., Ill., Colo., Calif.

1636. **Telamona lugubris** Ball
Ball, Proc. Biol. Soc. Wash., xvi, p. 179, 1903.
Localities: Ia., Kans.

1637. **Telamona decorata** Ball
Ball, Proc. Biol. Soc. Wash., xvi, p. 179, pl. 1, fig. 6, 1903.
Localities: N. Y., Ia., Kans., Ark.

1638. **Telamona compacta** Ball

Ball, Proc. Biol. Soc. Wash., xvi, p. 180, pl. 1, fig. 5, 1903.
Localities: Ia., Ark., Colo.

1639. **Telamona ehrhorni** Ball

Ball, Proc. Biol. Soc. Wash., xvi, p. 180, pl. 1, fig. 4, 1903.
Locality: Ariz.

1640. **Telamona molaris** Butl.

Butler, Cist. Ent., ii, p. 222, 1877.
Locality: Sask.

1641. **Telamona magniloba** Godg.

Goding, Insect Life, v, p. 93, 1892 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 422, 1894 (described).
Locality: Ill.

1642. **Telamona pruinosa** Ball

Ball, Proc. Biol. Soc. Wash., xvi, p. 177, pl. 1, fig. 7, 1903.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.
Localities: Ia., Ill., Calif.

1643. **Telamona subfalcata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 509, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: Ga., Fla.

1644. **Telamona querci** Fitch

Fitch, Homop. N. Y. St. Cab., p. 51, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 4, 1854.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 344, 1876.
Goding, Can. Ent., xxv, p. 171, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 67, 1908.
§*quercus* Walker, List Homop., iv, p. 1145, 1852.
Butler, Cist. Ent., ii, p. 222, 1877.
Smith, Cat. Ins. N. J., edn. 1, p. 441, 1891, *Thelia.*
brunneipennis Buckton, Monog. Membr., p. 197, pl. 43, fig. 1, 1903.
Localities: Ont., N. Y., D. C., Ohio, Colo., N. Mex., Nev.

1645. **Telamona monticola** (Fabr.)

Fabricius, Syst. Rhyng., p. 7, 1803, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 309, pl. 5, fig. 16, 1846, *Thelia.*
Stål, Hemip. Fabr., ii, p. 115, 1869.
Butler, Cist. Ent., ii, p. 221, 1877.
Van Duzee, Psyche, v, p. 391, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 128, 1892.
Goding, Insect Life, v, p. 93, 1892.
Goding, Can. Ent., xxv, p. 171, 1893.
Van Duzee, Bul. Buf. Soc., Nat. Sci., v, p. 188, 1894.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Slosson, Ent. News, xvii, p. 326, 1906.
Felt, 7th Rept. N. Y. Forest, Fish, Game. Comm., p. 529, 1908, *Thelia.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 67, 1908; ix, p. 206, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
Localities: N. H., N. J., Pa., N. C., Fla., Colo.

1646. **Telamona ampelopsidis** (Harr.)

Harris, Rept. Ins. Mass., p. 181, 1841, *Membracis.*
Fitch, Homop. N. Y. St. Cab., p. 51, 1851.
Walker, List Homop., iv, p. 1145, 1852.
Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 3, fig. 9, 1854.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 223, 1862, *Membracis.*
Butler, Cist. Ent., ii, p. 221, 1877.
Van Duzee, Psyche, v, p. 391, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 68, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 169, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915. [*Membracis.*
[*cissi* Harris MS] List Ins. Mass. *in* Hitchcock, Geol. Mass., p. 584, 1833,
cyrtops Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 310, 1846, *Thelia.*
†*monticola* Uhler, Stand. Nat. Hist., ii, p. 225, fig. 302, 1884.
Localities: Mass., N. Y., N. J., Md., N. C., Ill., Kans., Colo.

1647. **Telamona tristis** Fitch

Fitch, Homop. N. Y. St. Cab., p. 51, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 473, 1856.
Rathvon *in* Mombert, Hist. Lanc. Co., Pa., p. 551, 1869.
Butler, Cist. Ent., ii, p. 221, 1877.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 243, 1889.
Van Duzee, Psyche, v, p. 391, 1890 (as synon. of *coryli*).
Goding, Insect Life, v, p. 93, 1892.
Goding, Can. Ent., xxv, p. 172, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 68, 1908.
Van Duzee, Can. Ent., xli, p. 382, 1909.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Localities: Quebec, Ont., N. Y., Ill., Mich.

a. var. **coryli** Fitch

Fitch, Homop. N. Y. St. Cab., p. 51, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 6, 1854.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 473, 1856.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Butler, Cist. Ent., ii, p. 221, 1877.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Van Duzee, Psyche, v, p. 391, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 68, 1908.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
?spreta Goding, Bul. Ill. St. Lab. Hist., iii, p. 417, 1894.
Localities: Quebec, Ont., N. Y., N. J., Pa., Ill.

1648. **Telamona concava** Fitch

Fitch, Homop. N. Y. St. Cab., p. 50, 1851.
Butler, Cist. Ent., ii, p. 221, 1877.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Can. Ent., xxv, p. 172, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 69, 1908.
Van Duzee, Can. Ent., xli, p. 382, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
ornata Emmons, Nat. Hist. N. Y., Ins., p. 155, pl. 3, fig. 8, 1854.
Localities: N. H., N. Y., N. J., Pa., Mich.

1649. **Telamona sinuata** Fowl.

Fowler, Biol. Centr. Am., Homop., ii, p. 144, pl. 9, fig. 7, 1896.
Buckton, Monog. Membr., p. 198, pl. 43, fig. 5, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 69, 1908.
Localities: Ariz.(?). (Mexico.)

1650. **Telamona praealta** Fowl.

Fowler, Trans. Ent. Soc. Lond. for 1894, p. 420.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: "Saguenay," Quebec (not Brazil), Pa., Fla.

1651. **Telamona unicolor** Fitch

Fitch, Homop. N. Y. St. Cab., p. 50, 1851.
?Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 3, fig. 3, 1854.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 450, 1856.
Rathvon *in* Mombert's Hist Lanc. Co., Pa., p. 551, 1869.
Butler, Cist. Ent., ii, p. 220, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 244 1889.
Van Duzee, Psyche, v, p. 391, 1890 (as synon. of *fasciata*).
Packard, 5th Rept. U. S. Ent. Comm., p. 325, 1890.
Harrington, Ottawa Nat., vi, p. 30, 1892.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 71, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 333, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
♂*fasciata* Fitch, Homop., N. Y. St. Cab., p. 50, 1851.
Walker, List Homop., iv, p. 1146, 1852.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 451, 1856.
Butler, Cist. Ent., ii, p. 220, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 244, 1889.
Van Duzee, Psyche, v, p. 391, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 325, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, Can. Ent., xli, p. 382, 1909.
diffusa Walker, List Homop., Suppl., p. 143, 1858, *Hemiptycha*.

a. var. **irrorata** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 450, 1856.

Localities: Quebec, Ont., N. Y., N. J., Pa., N. C., Mich., Ill., Ia., Kans., Mo., Texas.

1652. **Telamona extrema** Ball

Ball, Proc. Biol. Soc. Wash., xvi, p. 179, pl. 1, fig. 1, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 71, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.

Localities: Mass., R. I., N. J., Ia., Kans.

1653. **Telamona collina** (Walk.)

Walker, List Homop., ii, p. 565, 1851, *Thelia.*
Butler, Cist., Ent., ii, p. 220, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 71, 1908 (noticed).
Slosson, Ent. News, xxiii, p. 173, 1912 (note without name).
turritella Buckton, Monog. Membr., p. 198, pl. 44, fig. 6, 1903.

Localities: N. Y., Pa., Fla.

1654. **Telamona maculata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 72, 1908.

Localities: N. Y., Ill.

1655. **Telamona excelsa** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 310, 1846, *Thelia.*
Walker, List Homop., ii, p. 564, 1851, *Thelia.*
Stål, Stet. Ent. Zeit., xxiv, p. 71, 1864.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Insect Life, v, p. 93, 1892.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 422, 1894.
Fowler, Biol. Centr. Am., Homop., ii p. 144, pl. 9, fig. 4, 1896.

Localities: Ill.(?), Mo.(?). (Mexico.)

[Goding's localities probably refer to *extrema.*]

1656. **Telamona mexicana** Stål

Stål, Of. Vet. Akad. Forh., xxvi, p. 249, 1869.
Butler, Cist. Ent., ii, p. 222, 1877.
Van Duzee, Psyche, v, p. 391, 1890.
Goding, Ent. News, iii, p. 109, 1892 (or *pulchra* if n. sp.).
Fowler, Biol. Centr. Am., Homop., ii, p. 144, pl. 9, fig. 5, 1896.

Localities: Calif.(?). (Mexico.)

1657. **Telamona conica** (Walk.)

Walker, List Homop., ii, p. 557, 1851, *Thelia.*

Locality: Fla.

[**Telamona jugata** Uhl. MS.]

Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 128, 1892.

Locality: Ia.

[**Telamona ellae** Godg. MS.]

Goding, Insect Life, v, p. 93, 1892.

Genus **Telamonanthe** Bak.
Orthotype *rileyi* Godg.

Baker, Can. Ent., xxxix, p. 115, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 55, 72, 1908.

1658. **Telamonanthe rileyi** (Godg.)

Goding, Ent. News, iii, p. 108, 1892, *Telamona.*
Baker, Can. Ent., xxxix, p. 115, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.
♀*coquilletti* Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 420, 1894, *Telamona.*
Locality: Calif.

1659. **Telamonanthe pulchella** (Ball)

Ball, Proc. Biol. Soc. Wash., xvi, p. 181, pl. 1, fig. 9, 1903, *Telamona.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 72, 1908.
♂*brevis* Ball, Proc. Biol. Soc. Wash., xvi, p. 181, 1903, *Telamona.*
Locality: Colo.

1660. **Telamonanthe modesta** (Godg.)

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 420, 1894, *Telamona.*
Locality: Ill.

Genus **Archasia** Stål
Logotype *galeata* (Fabr.)

Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 54, 73, 1908.

1661. **Archasia galeata** (Fabr.)

Fabricius, Syst. Rhyng., p. 9, 1803, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 309, 1846, *Thelia.*
Walker, List Homop., ii, p. 563, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxvi, p. 250, 1869.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 344, 1876.
Uhler, Stand. Nat. Hist., ii, p. 225, 1884.
Van Duzee, Psyche, v, p. 390, 1890.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Felt, 7th Rept. N. Y. Forest, Fish, Game Comm., p. 529, pl. 16, fig. 16, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 73, 1908; ix, p. 207, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
auriculata Fitch, Homop. N. Y. St. Cab., p. 49, 1851, *Smilia.*
Emmons, Nat. Hist. N. Y., Ins., p. 153, pl. 3, fig. 12, 1854, *Smilia.*
Localities: Quebec, Ont., N. Y., N. J., Pa., N. C., Ga., Fla., Ill., Ia., Colo., Utah, Texas.

1662. **Archasia belfragei** Stål

Stål, Of. Vet. Akad. Forh., xxvi, p. 250, 1869.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v p. 189, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 73, 1908.

Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 7, 1915.
canadensis Provancher, Pet. Faune Ent. Can., iii, p. 230, 1889.
Localities: Quebec, Ont., Mass., N. Y., N. J., N. C., Ill., Mich.

1663. **Archasia pallida** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 308, 1846, *Thelia.*
Walker, List Homop., ii, p. 562, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxvi, p. 250, 1869.
Locality: "N. Am."

TRIBE *SMILIINI* Godg.

Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 32, 74, 1908. (Key.)

Genus **Smilia** Germ.
Logotype *centralis* Germ.

Germar, Silb. Rev. Ent., i, p. 177, 1833; iii, p. 233, 1835.
Burmeister, Handb. d. Ent., ii, p. 137, 1835.
Amyot and Serville, Hémip., p. 538, 1843.
Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 74, 1908.

1664. **Smilia camelus** (Fabr.)

Fabricius, Syst. Rhyng., p. 10, 1803, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 308, 1846, *Thelia.*
Walker, List Homop., ii, p. 562, 1851, *Thelia.*
Stål, Hemip. Fabr., ii, p. 115, 1869.
Uhler, Stand. Nat. Hist., ii, p. 225, 1884.
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Goding, Insect Life, v, p. 92, 1892.
Slosson, Ent. News, vi, p. 321, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 74, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 171, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
vittata Amyot and Serville, Hémip., p. 539, 1843.
Fitch, Homop. N. Y. St. Cab., p. 49, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 3, fig. 14, 1854.
compressa Buckton, Monog. Membr., p. 191, pl. 41, fig. 6, 1903, *Antianthe.*

a. var. **guttata** Fitch
Fitch, Homop. N. Y. St. Cab., p. 49, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 153, pl. 3, fig. 11, 1854.

b. var. **zimmermanni** Fairm.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 308, 1846.

c. var. **viridis** Godg.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 426, 1894.

d. var. **silvestri** Mtch.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 172, 1910.
Localities: Ont., N. H., Mass., N. Y., N. J., Pa., N. C., Ga., Fla., Ill., Mich., Ia., Mo., Texas.

1665. **Smilia fasciata** Am. & Serv.
Amyot and Serville, Hémip., p. 539, 1843.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 75, 1908.
Localities: Ga., Fla.

Genus **Antianthe** Fowl.
Logotype *expansa* (Germ.)
Fowler, Biol. Centr. Am., Homop., ii, pp. 89, 137, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 75, 1908.
‖*Janthe* Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Agondas Kirkaldy, Entomol., xxxv, p. 316, 1902.

1666. **Antianthe expansa** (Germ.)
Germar, Silb. Rev. Ent., iii, p. 245, 1835, *Hemiptycha.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 309, pl. 5, figs. 6, 7, 1846, *Thelia.*
Walker, List Homop., ii, p. 563, 1851, *Thelia.*
Stål, Stet. Ent. Zeit., xxv, p. 71, 1864, *Smilia.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867, *Janthe.*
Provancher, Pet. Faune Ent. Can., iii, p. 231, 1889, *Janthe.*
Fowler, Biol. Centr. Am., Homop., ii, p. 137, pl. 8, fig. 21, 1896.
Buckton, Monog. Membr., p. 190, pl. 41, fig. 3, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 76, 1908.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
cucullata Burmeister, Handb. d. Ent., ii, p. 140, 1835, *Hemiptycha.*
Localities: Fla., Ariz., Calif. (Mexico.)

Genus **Cyrtolobus** Godg.
Logotype *fenestratus* (Fitch)
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892 (n.n. for *Cyrtosia* Fitch).
Fowler, Biol. Centr. Am., Homop., ii, p. 140, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 74, 76, 1908. (Key.)
‖*Cyrtosia* Fitch, Homop., N. Y. St. Cab., p. 49, 1851.
Cyrtoisa Kirkaldy, Entomol., xxxvi, p. 179, 1903.

Subgenus **Cyrtolobus** Godg.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 78, 1908. (Key.)

1667. **Cyrtolobus celsus** Van D.
Van Duzee, Check List Hemip., p. 60, 1916 (n.n. for †*fenestratus* Van D.).
†*fenestratus* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 81, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: Mass., N. Y., N. J., Ga.

1668. **Cyrtolobus ovatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 82, 1908; ix, p. 207, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: N. Y., N. J., N. C., Ga., Fla.

1669. **Cyrtolobus fuliginosus** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 13, fig. 15, 1854, *Cyrtosia.*
Goding, Can. Ent., xxv, p. 172, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 82, 1908.
Locality: N. Y.

1670. **Cyrtolobus viridis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 3, fig. 13, 1854, *Smilia.*
Goding, Insect Life, v, p. 92, 1892, *Atymna.*
Localities: N. Y., Pa., Ill.

1671. **Cyrtolobus arcuatus** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 154, pl. 13, fig. 14, 1854, *Cyrtosia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
†*muticus* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 83, 1908 (part).
Localities: Mass., R. I., N. Y., Pa., N. C., Ga., Fla., Ohio.

1672. **Cyrtolobus fenestratus** (Fitch)

Fitch, Momop. N. Y. St. Cab., p. 49, 1851, *Cyrtosia.*
Walker, List Homop., iv, p. 1147, 1852, *Cyrtosia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 345, 1876; iii, p. 457, 1877, *Cyrtosia.*
Van Duzee, Psyche, v, p. 388, 1890, *Cyrtosia.*
Goding, Insect Life, v, p. 92, 1892, *Cyrtosia.*
Goding, Can. Ent., xxv, p. 172, 1893.
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Van Duzee, Can. Ent., xli, p. 383, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
muticus Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 83, 1908 (part).
Wirtner, Ann. Carn. Mus., iii, p. 211, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: Mass., N. Y., N. J., Pa., N. C., Ga., Fla., Miss., Ohio, Ill., Colo., Dak.

1673. **Cyrtolobus tuberosus** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 307, 1846, *Thelia.*
Walker, List Homop., ii, p. 562, 1851, *Thelia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 84, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
semifascia Walker, List Homop., ii, p. 561, 1851, *Thelia.* [1903, *Argante.*
§*semifasciata* Buckton, Monog. Membr., p. 190, pl. 40, fig. 9, pl. 41, fig. 1,
Localities: Mass., N. Y., N. C., Ga., Fla., Miss., Ill.

1674. **Cyrtolobus vanduzii** (Godg.)

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 426, 1894, *Smilia.*
grandis, Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 84, 1908.
Localities: Ariz., Calif.

1675. **Cyrtolobus sculptus** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 307, 1846, *Thelia.*
Walker, List Homop., ii, p. 562, 1851, *Thelia.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867, *Cyrtosia.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 432, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 85, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: N. J., Pa., N. C., Fla., Ohio, Ill., Mich.

1676. **Cyrtolobus discoidalis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 157, pl. 13, fig. 4, 1854, *Gargara.*
Goding, Can. Ent., xxv, p. 172, 1893, *Cyrtosia.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 436, 1894, *Atymna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 86, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: N. Y., N. J., N. C., Ga.
[*Cyrtolobus discoidalis* of Fowler (Biol. Centr. Am., Homop., ii, p. 141, 1896) and Buckton (Monog. Membr., p. 192, pl. 41, fig. 8, 1903) is quite distinct from this and may be *Evashmeadia carinata* Stål]

1677. **Cyrtolobus cinctus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 86, 1908.
Locality: N. Y.

1678. **Cyrtolobus vau** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 299, 1831; Compl. Writ., ii, p. 378,
Fitch, Homop. N. Y. St. Cab., p. 48, 1851, *Smilia.* [*Membracis.*
Walker, List Homop., iv, p. 1142, 1852, *Thelia.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 451, 1856, *Smilia.*
Uhler *in* Harris, Treat. Ins. Inj. Veg., edn. 3, p. 220, 1862, *Smilia.*
Uhler, Wheeler's Rept. Chief. Eng. for 1877, p. 1333, *Smilia.*
Van Duzee, Can. Ent., xxi, p. 7, 1889, *Cyrtosia.*
Provancher, Pet. Faune Ent. Can., iii, p. 238, 1889, *Cyrtosia.*
Van Duzee, Psyche, v, p. 389, 1890, *Cyrtosia.*
Goding, Insect Life, v, p. 92, 1892, *Cyrtosia.*
Harrington, Ottawa Nat., vi, p. 30, 1892, *Cyrtosia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Gillette and Baker, Hemip. Colo., p. 67, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Slosson, Ent. News, xvii, p. 326, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 87, 1908.
Van Duzee, Can. Ent., xli, p. 383, 1909.
Smith, Cat. Ins. N. J., edn. 3, 92, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
†*fenestrata* Provancher, Pet. Faune Ent. Can., iii, p. 239, 1889, *Cyrtosia.*
[*varius* Goding MS] Moore, Can. Ent., xxxix, p. 189, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ill., Kans., Mo., Ark., Texas, N. Mex., Colo.

1679. **Cyrtolobus limus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 87, 1908.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 50, 1914.
Localities: Colo., Calif.

1680. **Cyrtolobus acutus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 88, 1908.
Localities: Colo., Utah, N. Mex., Ariz.

1681. **Cyrtolobus maculifrontis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 156, pl. 13, fig. 1, 1854, *Gargara.*
Goding, Can. Ent., xxv, p. 172, 1893, *Cyrtosia.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 436, 1894, *Atymna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 89, 1908.
Localities: N. Y., Ga., Ill., Mich., Colo.

1682. **Cyrtolobus pallidifrontis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., pl. 13, fig. 7, 1854, *Gargara.*
Goding, Insect Life, v, p. 92, 1892, *Cyrtosia.*
Goding, Can. Ent., xxv, p. 172, 1893.
Localities: N. Y., Ga., Ill.

1683. **Cyrtolobus intermedius** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., pl. 13, fig. 16, 1854, *Cyrtosia.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 433, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 90, 1908.
Locality: N. Y.

1684. **Cyrtolobus inermis** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 157, pl. 13, fig. 9, 1854, *Gargara.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894, *Atymna.*
Goding, Bul. Ill., St. Lab. Nat. Hist., iii, p. 436, 1894, *Atymna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 90, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914, *Atymna.*
Localities: N. J., Utah.

1685. **Cyrtolobus griseus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 90, 1908.
Locality: Kans.

1686. **Cyrtolobus cinereus** (Emns.)

Emmons, Nat. Hist. N. Y., Ins., p. 156, pl. 13, fig. 3, 1854, *Gargara.*
Goding, Can. Ent., xxv, p. 172, 1893.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 436, 1894, *Atymna.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 91, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
ornata Provancher, Pet. Faune Ent. Can., iii, p. 240, 1889, *Cyrtosia.*
Harrington, Ottawa Nat., vi, p. 30, 1892, *Cyrtosia.*
Localities: Quebec, N. Y., N. J.

1687. **Cyrtolobus fuscipennis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 91, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Localities: N. Y., N. J.

1688. **?Cyrtolobus maculatus** (Buckt.)

Buckton, Monog. Membr., p. 174, pl. 36, fig. 7, 1903, *Centrogonia*.
Locality: N. Y.

[**Cyrtolobus gloveri** Godg. MS.]

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 434, 1894 (nomen nudum).
Glover, MS Notes, Homop., pl. 1, fig. 14 (never published).
Locality: Md.(?).

Subgenus **Atymna** Stål
Haplotype *castaneae* (Fitch)

Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 140, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 78, 92, 1908. (Key.)

1689. **Cyrtolobus simplex** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 93, 1908.
Locality: Ariz.

1690. **Cyrtolobus castaneae** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 49, 1851, *Smilia*.
Walker, List Homop., iv, p. 1143, 1852, *Thelia*.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 470, 1856, *Smilia*.
Walker, List Homop., Suppl., p. 133, 1858, *Smilia*.
Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Smilia*.
Van Duzee, Psyche, v, p. 390, 1890 (as synon. of *inornata* Say?).
Packard, 5th Rept. U. S. Ent. Comm., p. 350, 1890, *Smilia*.
Harrington, Ottawa Nat., vi, p. 30, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Fowler, Biol. Centr. Am., Homop., ii, p. 140, 1896.
Buckton, Monog. Membr., p. 194, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 93, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 92, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.

a. var. **lineatus** Buckt.
Buckton, Monog. Membr., p. 195, pl. 42, fig. 6, 1903.

b. var. **nigricephalus** (Emns.)
Emmons, Nat. Hist. N. Y., Ins., p. 157, pl. 13, fig. 5, 1854, *Gargara*.
Localities: Ont., N. H., Mass., N. Y., N. J., Pa., N. C., Ga.

1691. **Cyrtolobus helena** Woodr.

Woodruff, Jl. N. Y. Ent. Soc., xxiii, p. 45, 1915.
Locality: N. Y.

1692. **Cyrtolobus querci** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 49, 1851, *Smilia.*
Walker, List Homop., iv, p. 1143, 1852, *Thelia.*
Emmons, Nat. Hist. N. Y., Ins., p. 156, pl. 13, fig. 8, 1854, *Gargara.*
Van Duzee, Psyche, v, p. 390, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 93, 1908.
Matausch, Bul. Am. Mus. Hat. Hist., xxxi, p. 335, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
Localities: Ont., Conn., N. Y., Pa., N. C., Ga., Ill., Mich., Ia., Mo.

1693. **Cyrtolobus inornatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 299, 1831; Compl. Writ., ii, p. 378,
Fitch, Homop. N. Y. St. Cab., p. 48, 1851, *Smilia.* [*Membracis.*
Walker, List Homop., iv, p. 1142, 1852, *Thelia.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 471, 1856, *Smilia.*
Walker, List Homop., Suppl., p. 134, 1858, *Smilia.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Smilia.*
Van Duzee, Psyche, v, p. 389, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 350, 1890, *Smilia.*
Goding, Insect Life, v, p. 92, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
Localities: N. Y., N. J., Pa., Md., N. C., Ill.

Subgenus **Evashmeadea** Godg.
Logotype *concinnus* Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 436, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 78, 94, 1908.
‖*Ashmeadea* Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892 (nomen nudum).

1694. **Cyrtolobus concinnus** Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 437, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 94, 1908.
Locality: Ariz.

Subgenus **Xantholobus** Van D.
Orthotype *inflatus* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 78, 95, 1908. (Key.)

1695. **Cyrtolobus muticus** (Fabr.)

Fabricius, Genera Ins., p. 297, 1776, *Membracis.*
Fabricius, Species Ins., ii, p. 318, 1781, *Membracis.*
Fabricius, Mant. Ins., ii, p. 265, 1787, *Membracis.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2093, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 15, 1794, *Membracis.*
Fabricius, Syst. Rhyng., p. 21, 1803, *Centrotus.*
Stål, Hemip. Fabr., ii, p. 25, 1869, *Cyrtosia.*
Van Duzee, Psyche, v, p. 389, 1890, *Cyrtosia.*

Van Duzee, Check List Hemip., p. 61, 1916. [*Membracis.*
trilineatus Say, Long's 2d Exped., p. 300, 1824; Compl. Writ., i, p. 200,
Provancher, Pet. Faune Ent. Can., iii, p. 239, 1889, *Cyrtosia.*
Van Duzee, Psyche, v, p. 389, 1890, *Cyrtosia.*
Harrington, Ottawa Nat., vi, p. 30, 1892, *Cyrtosia.*
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 96, 1908.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Localities: Quebec, R. I., N. Y., Pa., Ill.

1696. **Cyrtolobus lateralis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 96, 1908.
Locality: N. Y.

1697. **Cyrtolobus inflatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 97, 1908.
Localities: Colo., Ariz.

1698. **Cyrtolobus nitidus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 97, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: N. Y., N. J., D. C., Fla.

1699. **Cyrtolobus tumidus** (Walk.)

Walker, List Homop., ii, p. 560, 1851, *Thelia.*
Locality: Fla.

Genus **Ophiderma** Fairm.
Haplotype *salamandra* Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 493, 1846.
Stål, Of. Vet. Akad. Forh., xxiv, p. 554, 1867.
Provancher, Pet. Faune Ent. Can., iii, p. 247, 1889.
Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 142, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 74, 98, 1908. (Key.)

1700. **Ophiderma salamandra** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 493, 1846.
Walker, List Homop., ii, p. 588, 1851.
Slosson, Ent. News, v, p. 5, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 99, 1908; ix, p. 207, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Localities: Quebec, Ont., N. H., Mass., N. Y., N. J., Pa., D. C., Va., Ga., Fla., Ill., Mich.

1701. **Ophiderma pubescens** Emns.

Emmons, Nat. Hist. N. Y., Ins., p. 157, pl. 13, fig. 2, 1854, *Gargara.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 99, 1908.

Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
[*obscura* Van D. MS] Matausch, Jl. N. Y. Ent. Soc., xviii, p. 169, 1910.
Localities: Mass., N. Y., N. J., Pa., N. C., Ga.

1702. **Ophiderma flaviguttula** Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 438, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Slosson, Ent. News, xvii, p. 326, 1906 (*flavoguttata*).
Localities: N. H., Pa., Ill.

1703. **Ophiderma flavicephala** Godg.

Goding, Insect Life, v, p. 93, 1892 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 439, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 100, 1908; ix, p. 207, 1909.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 169, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
Localities: Mass., N. Y., N. J., Pa., Md., N. C., Fla.

1704. **Ophiderma flava** Godg.

Goding, Insect Life, v, p. 93, 1892 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 439, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 100, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 8, 1915.
†*inornata* Provancher, Pet. Faune Ent. Can., iii, p. 248, 1889.
Localities: Quebec, Mass., N. Y., Pa., N. C., Ill., Mich.

1705. **Ophiderma pallida** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 100, 1908.
Locality: Ariz.

1706. **Ophiderma nigrocincta** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 101, 1908.
Locality: Colo.

TRIBE *POLYGLYPTINI* Godg.

Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 32, 101, 1908. (Key.)

Genus **Idioderma** Van D.
Orthotype *virescens* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 207, 1909.

1707. **Idioderma virescens** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 208, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 530, 1914.
Locality: Fla.

1708. **Idioderma varia** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 208, 1909.
Locality: Fla.

Genus **Vanduzea** Godg.
Orthotype *arcuata* Say

Goding, Trans. Am. Ent. Soc., xix, p. 258, 1892 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 440, 1894 (valid here).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 102, 1908. (Key.)
Hypamastris Fowler, Biol. Centr. Am., Homop., ii, p. 92, 1895.

1709. **Vanduzea arcuata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 302, 1831; Compl. Writ., ii, p. 380,
Fitch, Homop. N. Y. St. Cab., p. 48, 1851, *Carynota.* [*Membracis.*
Walker, List Homop., iv, p. 1144, 1852, *Carynota.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Caranota.*
Van Duzee, Psyche, v, p. 389, 1890, *Ophiderma?* (suggests new genus).
Goding, Insect Life, v, p. 93, 1892.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 440, 1894.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 103, 1908.
Van Duzee, Can. Ent., xli, p. 382, 1909, *Carynota.*
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 335, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
Funkhauser, Psyche, xxii, p. 183, 1915 (life history).
Localities: Ont., N. Y., N. J., Pa., D. C., N. C., Ga., Ohio, Mich., Colo.

1710. **Vanduzea triguttata** (Burm.)

Burmeister, Silb. Rev. Ent., iv, p. 183, 1836, *Entylia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
vestita Goding, Insect Life, v, 93, 1892 (nomen nudum).
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 440, 1894 (*described*).
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 103, 1908; ix, p. 209, 1909.
Ball, Ann. Ent. Soc. Am., viii, p. 368, 1915.
[*annexus* Uhl. MS] Townsend, Can. Ent., xxiv, p. 196, 1892, *Cyrtolobus.*
Localities: D. C., Fla., Colo., N. Mex., Ariz.

1711. ? **Vanduzea apicalis** (Walk.)

Walker, List Homop., ii, p. 533, 1851, *Ceresa.*
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 441, 1894.
Locality: "N. Am."

1712. **Vanduzea segmentata** (Fowl.)

Fowler, Biol. Centr. Am., Homop., ii, p. 93, pl. 6, fig. 23, 1895, *Hypamastris.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 103, 1908.
Localities: Texas, Ariz. (Mexico.)

1713. **Vanduzea laeta** Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 441, 1894 (*Amastris* on p. 481).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 104, 1908.
Locality: Ariz.

1714. **Vanduzea bajula** Godg.

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 437, 1894, *Evashmeadea.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 104, 1908.
arizonensis Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 437, 1894, *Evash-*
Locality: Ariz. [*meadea.*

Genus **Polyglypta** Burm.
Haplotype *costata* Burm.

Burmeister, Handb. d. Ent., ii, p. 142, 1835.
Burmeister, Silb. Rev. Ent., iv, p. 176, 1836.
Amyot and Serville, Hémip., p. 541, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 296, 1846.
Stål, Of. Vet. Akad. Forh., xxiv, p. 553, 1867; xxvi, p. 240, 1869.
Provancher, Pet. Faune Ent. Can., iii, p. 240, 1889.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 121, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 104, 1908.

1715. **Polyglypta dorsalis** Burm.

Burmeister, Silb. Rev. Ent., iv, p. 178, 1836.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 297, 1846.
Walker, List Homop., ii, p. 543, 1851.
Stål, Stet. Ent. Zeit., xxiv, p. 73, 1864.
Stål, Of. Vet. Akad. Forh., xxvi, p. 240, 1869.
Butler, Cist. Ent., ii, p. 208, 1877.
Provancher, Pet. Faune Ent. Can., iii, p. 241, 1889.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 394, 1894.
Fowler, Biol. Centr. Am., Homop., ii, p. 124, pl. 8, fig. 5, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 104, 1908.
pallipes Burmeister, Silb. Rev. Ent., iv, p. 179, 1836.
sicula Amyot and Serville, Hémip., p. 541, 1843.
nigella Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 298, 1846.
fusca Butler, Cist. Ent., ii, p. 208, pl. 3, fig. 3, 1877.
hordeacea Butler, Cist. Ent., ii, p. 209, pl. 3, fig. 4, 1877.
Localities: Ga.(?), Texas. (Mexico.)

Genus **Entylia** Germ.
Logotype *sinuata* (Fabr.)

Germar, Silb. Rev. Ent., i, p. 178, 1833; iii, p. 247, 1835.
Burmeister, Handb. d. Ent., ii, p. 143, 1835.
Burmeister, Silb. Rev. Ent., iv, p. 181, 1836.
Blanchard, Hist. des Ins., Hémip., p. 186, 1840.
Amyot and Serville, Hémip., p. 538, 1843 (*Entilia*).
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 299, 1846.
Walker, List Homop., ii, p. 546, 1851.
Stål, Of. Vet. Akad. Forh., xxiv, p. 553, 1867; xxvi, p. 241, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 129, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 105, 1908.

1716. **Entylia carinata** (Forst.)

Forster, Nova Spec. Ins., Cent., i, p. 67, 1771, *Cicada.*
Goeze, Ent. Beytr., ii, p. 148, 1778, *Cicada.*

Glover, Rept. U. S. Dept. Agr. for 1876, p. 29, fig. 14.
Glover, MS Notes, Homop., pl. 1, fig. 26, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 232, 1889.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Van Duzee, Check List Hemip., p. 61, 1916.
?[*gibbosa* Retz.] De Geer, Mémoires, iii, p. 211, pl. 32, figs. 20, 21, 1773 (with-
Retzius, Genera et Spec. Ins., p. 80, 1783, *Cicada*. [out name?).
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2094, 1788, *Cicada*.
bactriana Germar, Silb. Rev. Ent., iii, p. 248, 1835.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 300, pl. 5, fig. 32, 1846.
Walker, List Homop., ii, p. 547, 1851.
Stål, Of. Vet. Akad. Forh., xxvi, p. 241, 1869.
Butler, Cist. Ent., ii, p. 211, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 397, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 209, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 105, 124, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
†*sinuata* Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Entilia*.
Emmons, Nat. Hist. N. Y. Ins., p. 153, pl. 13, fig. 11, 1854, *Entilia*.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 229, 1862, *Membracis*.
Provancher, Pet. Faune Ent. Can., iii, p. 232, 1889.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 261, 1910.
indecisa Walker, List. Homop., ii, p. 549, 1851.
†*emarginata* Emmons, Nat. Hist. N. Y., Ins., p. 153, pl. 13, fig. 13, 1854,
impedita Walker, List Homop., Suppl., p. 137, 1858. [*Entilia*.
vittata Buckton, Monog. Membr., p. 184, pl. 39, fig. 6, 1903, *Publilia*.

a. var. **torva** Fitch
Fitch, Homop. N. Y. St. Cab., p. 47, 1851.
accisa Walker, List Homop., ii, p. 548, 1851.
Butler, Cist. Ent., ii, p. 211, 1877.
†*sinuata* Buckton, Monog. Membr., p. 183, pl. 39, fig. 1, 1903.
†*concisa* Buckton, Monog. Membr., p. 183, pl. 39, fig. 2, 1903.

b. var. **reducta** Walk.
Walker, List Homop., ii, p. 549, 1851.
Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., N. C., Mich., Ia.,
Kans.

1717. **Entylia concisa** Walk.

Walker, List Homop., ii, p. 547, 1851.
Butler, Cist. Ent., ii, p. 211, 1877.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 105, 1908; ix, p. 209, 1909.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
decisa Walker, List Homop., ii, p. 548, 1851.
†*concava* Provancher, Pet. Faune Ent. Can., iii, p. 233, 1889.
Localities: D. C., N. C., Ga., Fla.

1718. **Entylia sinuata** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 513, 1798, *Membracis.*
Fabricius, Syst. Rhyng., p. 7, 1803, *Membracis.*
Germar, Silb. Rev. Ent., i, p. 178, 1833; iii, p. 248, 1835.
Burmeister, Handb. d. Ent., ii, p. 140, 1835, *Hemiptycha.*
Amyot and Serville, Hémip., p. 538, 1843, *Entilia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 300, pl. 5, fig. 29, 1846.
Walker, List Homop., ii, p. 546, 1851.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.
Stål, Hemip. Fabr., ii, p. 28, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 241, 1869.
Butler, Cist. Ent., ii, p. 210, 1877.
Murtfeldt, Ent. Am., iii, p. 177, 1887.
Goding, Insect Life, v, p. 92, 1892.
Rice, Insect Life, v, p. 243, 1893, *Entilia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 396, 1894 (part).
Fowler, Biol. Centr. Am., Homop., ii, p. 130, pl. 8, fig. 12, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 209, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 105, 1908; ix, p. 209, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.

♂*emarginata* Fabricius, Ent. Syst., Suppl., p. 513, 1798, *Membracis.*
Fabricius, Syst. Rhyng., p. 9, 1803, *Membracis.*
Stål, Hemip. Fabr., ii, p. 28, 1869 (male of *sinuata*).
Localities: N. J., N. C., Fla., Miss.

Genus **Publilia** Stål
Orthotype *concava* (Say)

Stål, Of. Vet. Akad. Forh., xxiv, p. 553, 1867 (nomen nudum).
Stål, Berl. Ent. Zeit., x, p. 387, 1867 (valid here).
Provancher, Pet. Faune Ent. Can., iii, p. 245, 1889.
Goding, Trans. Am. Ent. Soc., xix, p. 257, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 131, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 105, 1908. (Key.)

1719. **Publilia concava** (Say)

Say, Long's 2d Exped., ii, p. 301, 1824; Compl. Writ., i, p. 200, *Membracis.*
Germar, Silb. Rev. Ent., iii, p. 249, 1835, *Entilia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 301, 1846, *Entylia.*
Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Entilia*
Walker, List Homop, ii, p. 547, 1851, *Entylia.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Ceresa.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 344, 1876.
Provancher, Pet. Faune Ent. Can., iii, p. 245, 1889.
Goding, Insect Life, v, p. 92, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Fowler, Biol. Centr. Am., Homop., ii, p. 131, 1896.
Buckton, Monog. Membr., p. 184, pl. 39, fig. 4, 1903, *Entylia.*
Buckton, Monog. Membr., p. 194, pl. 42, fig. 5, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.

Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 107, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, pp. 169, 262, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
grisea Buckton, Monog. Membr., p. 184, pl. 39, fig. 5, 1903.

a. var. **nigridorsum** Godg.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 399, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 188, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 210, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 106, 1908.
Localities: Quebec, Ont., N. Y., N. J., N. C., Ohio, Ill., Ia., Mo., Kans., Ark., Utah.

1720. **Publilia reticulata** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 106, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
Localities: N. J., Pa., N. C., Mo.

1721. **Publilia modesta** Uhl.
Uhler, Hayden's Surv. Terr. for 1870, p. 472, 1872 (nomen nudum).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 344, 1876; iii, p. 457, 1877.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1333.
Townsend, Can. Ent., xxiv, p. 195, 1892.
Goding, Insect Life, v, p. 92, 1892.
Gillette and Baker, Hemip. Colo., p. 65, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Soc. Nat. Sci., ix, p. 107, 1908.
Ball, Ann. Ent. Soc. Am., viii, p. 368, 1915 (habits).
bicinctura Goding, Ent. News, iii, p. 200, 1892.
Goding, Insect Life, v, p. 92, 1892.
Localities: Dak., Colo., Utah, N. Mex., Ariz., Calif.

Subfamily DARNINAE (Stål)
Stål, Hemip. Afr., iv, p. 83, 1866, *Darnida.*
Stål, Of. Vet. Akad. Forh., xxiv, p. 556, 1867. (Key.)
Goding, Trans. Am. Ent. Soc., xix, p. 254, 1892.
Fowler, Biol. Centr. Am., Homop., ii, pp. 3, 48, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 108, 1908.

Genus **Aconophora** Fairm.
Logotype *laminata* Fairm.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 294, 1846.
Stål, Of. Vet. Akad. Forh., xxiv, p. 558, 1867.
Stål, Hemip. Fabr., ii, p. 34, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 256, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 61, 1895.
Buckton, Monog. Membr., p. 127, 1902.

1722. **? Aconophora lineosa** Walk.

Walker, List Homop., Suppl., p. 134, 1858.
Butler, Cist. Ent., ii, p. 352, 1878.
Locality: "N. Am." (Probably a *Platycotis.*)

Genus **Stictopelta** Stål
Haplotype *bipunctata* Burm.

Stål, Hemip. Fabr., ii, p. 32, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 115, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 108, 1908.

1723. **Stictopelta nova** Godg.

Goding, Ent. News, iii, p. 110, 1892.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 446, 1894.
Localities: Ariz., Calif.

1724. **Stictopelta marmorata** Godg.

Goding, Ent. News, iii, p. 201, 1892.
Townsend, Can. Ent., xxiv, p. 195, 1892.
Goding, Insect Life, v, p. 92, 1892.
Localities: Texas, N. Mex.

1725. **Stictopelta arizona** Godg.

Goding, Can. Ent., xxvii, p. 276, 1895.
Locality: Ariz.

Subfamily HOPLOPHORINAE (Stål)

Stål, Hemip. Afr., iv, p. 82, 1866, *Hoplophorida.*
Stål, Hemip. Fabr., ii, p. 37, 1869, *Hoplophorida.*
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
Fowler, Biol. Centr. Am., Homop. ii, p. 31, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 108, 1908, *Hoplophorida.*

Genus **Umbonia** Burm.
Haplotype *spinosa* Fabr.

Burmeister, Handb. d. Ent., ii, p. 138, 1835.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 274, 1846.
Stål, Of. Vet. Akad. Forh., xxvi, p. 264, 1869.
Stål, Hemip. Fabr., ii, p. 37, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 260, 1892.
Buckton, Monog. Membr., p. 83, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 108, 1908.

1726. **Umbonia crassicornis** (Am. & Serv.)

Amyot and Serville, Hémip., p. 543, pl. 10, fig. 1, 1843, *Physoplia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 225, 1846.
Stål, Of. Vet. Akad. Forh., xxvi, p. 264, 1869.
Provancher, Pet. Faune Ent. Can., iii, p. 249, 1889, *Physoplia.*
nigrita Amyot and Serville, Hémip., p. 543, 1843, *Physoplia.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 275, pl. 4, figs. 6, 7, 1846.
Walker, List Homop., ii, p. 516, 1851, *Physoplia.*
Stål, Stet. Ent. Zeit., xxv, p. 69, 1864.
Stål, Of. Vet. Akad. Forh., xxvi, p. 264, 1869.

orozimbo Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 277, pl. 6, fig. 2, 1846.
Walker, List Homop., ii, p. 519, 1851.
Stål, Stet. Ent. Zeit., xxv, p. 69, 1864.
Stål, Of. Vet. Akad. Forh., xxvi, p. 265, 1869.
Provancher, Pet. Faune Ent. Can., iii, p. 250, 1889.
Fowler, Biol. Centr. Am., Homop., ii, p. 36, pl. 3, figs. 15–20, 1894.
Buckton, Monog. Membr., pp. 85, 86, pl. 16, figs. 1–4, 1902.
media Walker, List Homop., ii, p. 516, 1851, *Physoplia.*
picta Walker, List Homop., Suppl., p. 130, 1858.
decorata Walker, List Homop., Suppl., p. 130, 1858.
intermedia Walker, Ins. Saund., Homop., p. 66, 1858, *Physoplia.*
Localities: Ohio, S. C., Fla. (Mexico.)

1727. **Umbonia amazili** Fairm.

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 277, 1846.
Walker, List Homop., ii, p. 519, 1851.
Localities: "N. Am."
[Buckton, Monog. Membr., p. 89, quotes N. Am. for *atalia* Fairm., but his determination cannot be trusted.]

Genus **Platycotis** Stål
Haplotype *vittata* Fabr.

Stål, Hemip. Fabr., ii, pp. 36, 37, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 260, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 41, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix p. 109 1908.

1728. **Platycotis vittata** (Fabr.)

Fabricius, Syst. Rhyng., p. 20, 1803, *Centrotus.*
Coquebert, Illust. Icon. Ins., iii, p. 93, pl. 21, fig. 5, 1804, *Cercopis.*
Fairmaire, Ann. Soc. Ent. Fr. sec. 2, iv, p. 273, 1846, *Hoplophora.*
Walker, List Homop., ii, p. 511, 1851, *Hoplophora.*
Stål, Hemip. Fabr., ii, p. 37, 1869.
Buckton, Monog. Membr., p. 130, pl. 27, fig. 7, 1902, *Aconophora.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 109, 1908.
sagittata Germar, Mag. d. Ent., iv, p. 19, 1821, *Membracis.*
Germar, Silb. Rev. Ent., iii, .p. 241, 1835, *Hoplophora.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 273, 1846, *Hoplophora.*
Walker, List Homop., ii, p. 515, 1851, *Hoplophora.*
Stål, Hemip. Fabr., ii, p. 37, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 263, 1869.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 109, 1908; ix, p. 209, 1909.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
belligera Say, Jl. Acad. Nat. Sci. Phila., vi, p. 302, 1824; Compl. Writ., [ii, p. 380, *Membracis.*
Walker, List Homop., iv, p. 1143, 1852, *Thelia.*
§*vitrata* Burmeister, Handb. d. Ent., ii, p. 134, 1835, *Hoplophora.*
Blanchard, Hist. des Ins., Hémip., p. 181, 1840, *Oxyrachis.*
humilis Walker, List Homop., ii, p. 514, 1851, *Hoplophora.*

viridescens Walker, List Homop., ii, p. 538, 1851, *Aconophora.*
Stål, Of. Vet. Akad. Forh., xix, p. 491, 1862, *Aconophora.*
Butler, Cist. Ent., ii, p. 351, 1878, *Aconophora.*
Fowler, Biol. Centr. Am., Homop., ii, p. 63, 1895, *Aconophora.*
guttifera Walker, List Homop., ii, p. 539, 1851, *Aconophora.*
nigro-maculata Provancher, Pet. Faune Ent. Can., iii, p. 251, 1889.
§*nigrolineata* Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 455, 1894.

a. var. **quadrivittata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 300, 1831; Compl. Writ., ii, p. 379,
Walker, List Homop., iv, p. 1143, 1851, *Thelia.* [*Membracis.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Thelia.*
Butler, Cist. Ent., ii, p. 351, 1878, *Aconophora.*
Provancher, Pet. Faune Ent. Can., iii, p. 250, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Goding, Can. Ent., xxv, p. 172, 1893.
Buckton, Monog. Membr., p. 130, pl. 27, fig. 7, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 109, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Van Duzee, Can. Ent., xliv, p. 326, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
4-lineata Germar, Silb. Rev. Ent., iii, p. 241, 1835, *Hoplophora.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 273, 1846, *Hoplophora.*
Walker, List Homop., ii, p. 515, 1851, *Hoplophora.*
Stål, Hemip. Fabr., ii, p. 37, 1869.
Goding, Insect Life, v, p. 93, 1892, *Hoplophora.*
lineata Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 270, 1846, *Hoplophora.*
Walker, List Homop., ii, p. 511, 1851, *Hoplophora.*
porrecta Walker, List Homop., ii, p. 538, 1851, *Aconophora.*
§*rubrivittata* Walker, List Homop., ii, p. 537, 1851, *Aconophora.*
§*4-maculata* Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 455, 1894.
Localities: N. J., Pa., Md., D. C., N. C., Ga., Fla., Texas, Ariz., Calif., Vanc. Isd. (Mexico.)

1729. **Platycotis minax** Godg.

Goding, Ent. News, iii, p. 109, 1892.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 51, 1914.
asodalis Goding, Ent. News, iii, p. 110, 1892, *Potnia.*
Locality: Calif.

Genus **Lophopelta** Stål
Logotype *tuberculata* Fairm.

Stål, Hemip. Fabr., ii, p. 37, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 260, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 108, 1908.

1730. **Lophopelta tuberculata** (Fairm.)

Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 273, pl. 6, fig. 9, 1846, *Hoplophora.*
Walker, List Homop., ii, p. 515, 1851, *Hoplophora.*
Stål, Hemip. Fabr., ii, p. 37, 1869.
Fowler, Biol. Centr. Am., Homop., ii, p. 42, pl. 4, figs. 2, 3, 1894.
?Buckton, Monog. Membr., p. 100, pl. 21, fig. 1, 1902, *Platycotis.*
Localities: Calif. (Mexico.)

Subfamily MEMBRACINAE (Stål)

Stål, Hemip. Afr., iv, p. 83, 1866, *Membracida.*
Stål, Hemip. Fabr., ii, p. 38, 1869.
Goding, Trans. Am. Ent. Soc., xix, pp. 253, 258, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 3, 1894.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 3, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 110, 1908. (Key.)

Genus **Membracis** Fabr.
Logotype *atrata* Fabr.

Fabricius, Syst. Ent., p. 675, 1775.
Fabricius, Genera Ins., p. 172, 1777.
Thunberg, Charac. Gen. Ins., edn. 2, p. 32, 1791.
Walckenaer, Faune Paris., ii, p. 325, 1802.
Fabricius, Syst. Rhyng., p. 6, 1803.
Latreille, Genera Crust. Ins., iii, p. 158, 1807.
Latreille, Consid. Génl., pp. 264, 434, 1810.
Germar, Mag. d. Ent., iv, p. 11, 1821.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 219, 1829 (restricted).
Burmeister, Handb. d. Ent., ii, p. 135, 1835.
Blanchard, Hist. des Ins., Hémip., p. 179, 1840.
Amyot and Serville, Hémip., p. 533, 1843.
Stål, Hemip. Fabr., ii, p. 38, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 259, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 4, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 110, 1908.

1731. **Membracis mexicana** Guer.

Guerin, Icon. Règne Animal, p. 364, pl. 59, fig. 1, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 248, 1846.
Walker, List Homop., ii, p. 478, 1851.
Stål, Stet. Ent. Zeit., xxv, p. 67, 1864.
Provancher, Pet. Faune Ent. Can., iii, p. 228, 1889.
Fowler, Biol. Centr. Am., Homop., ii, p. 5, pl. 1, figs. 4, 5, 1894.
Buckton, Monog. Membr., p. 35, pl. 2, figs. 5, 6, 1902 (*Phyllotropis* on p. 41).
stolida Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 248, 1846.
sexmaculata Walker, Ins. Saund., Homop., p. 59, 1858.
Localities: Calif. (Guerin). (Mexico.)

1732. ? **Membracis nigra** Oliv.

Stoll, Cigales, p. 68, pl. 17, fig. 92, 1788, *Cicada* (without name).
Olivier, Encyc. Méth., vii, p. 668, 1792 (named).
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 247, 1846.
Walker, List Homop., ii, p. 477, 1851.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 461, 1894.
Buckton, Monog. Membr., p. 40, 1902, *Phyllotropis.*
compressa Fabricius, Syst. Rhyng., p. 9, 1803.
Germar, Silb. Rev. Ent., iii, p. 225, 1835.
Localities: "West States" (Goding). (Neotropical.)
[Doubtless a wrong determination.]

Genus **Enchophyllum** Am. & Serv.
Logotype *cruentatum* (Germ.)

Amyot and Serville, Hémip., p. 534, 1843.
Stål, Hemip. Fabr., ii, p. 41, 1869.
Fowler, Biol. Centr. Am., Homop., ii, p. 7, 1894.

Subgenus **Phyllotropis** Stål
Haplotype *fasciatum* (Gmel.)

Stål, Hemip. Fabr., ii, p. 41, 1869.

1733. **? Enchophyllum fasciatum** (Gmel.)

Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2092, 1767, *Membracis.*
Fabricius, Mant. Ins., ii, p. 262, 1787, *Membracis.*
Fabricius, Ent. Syst., iv, p. 9, 1794, *Membracis.*
Olivier, Encyc. Méth., vii, p. 662, 1794, *Membracis.*
Fabricius, Syst. Rhyng., p. 9, 1803, *Membracis.*
Germar, Silb. Rev. Ent., iii, p. 225, 1835, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 245, 1846, *Membracis.*
Walker, List Homop., ii, p. 476, 1851, *Membracis.*
Stål, Hemip. Fabr., ii, p. 41, 1869.
Fowler, Biol. Centr. Am., Homop., ii, p. 7, 1894.
Buckton, Monog. Membr., p. 38, pl. 3, fig. 2, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 111, 1908.
cucullata Amyot and Serville, Hémip., p. 534, pl. 9, fig. 2, 1843, *Membracis.*
Localities: "N. Am." (Goding). (Neotropical.)
[Undoubtedly a wrong determination.]

Genus **Campylenchia** Stål
Haplotype *curvata* (Fabr.)

Stål, Hemip. Fabr., ii, pp. 39, 43, 1869.
Goding, Trans. Am. Ent. Soc., xix p. 259, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 111, 1908.

1734. **Campylenchia latipes** (Say)

Say, Long's 2d Exped., ii, p. 302, 1824; Compl. Writ., i, p. 202, *Membracis.*
Germar, Silb. Rev. Ent., iii, p. 227, 1835, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 252, 1846, *Membracis.*
Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Enchophyllum.*
Walker, List Homop., ii, p. 482, 1851, *Enchenopa.*
Uhler *in* Harris, Treat. Ins. Inj. Veg., edn. 3, pl. 221, 1862, *Enchenopa.*
Provancher, Pet. Faune Ent. Can., iii, p. 229, 1889, *Enchenopa.*
Buckton, Monog. Membr., p. 49, pl. 6, fig. 2, 1902, *Enchenopa.*
Van Duzee, Can. Ent., xliv, p. 326, 1912; xlvi, p. 388, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 9, 1915.
antonina Walker, List Homop., ii, p. 488, 1851, *Enchenopa.*
venosa Walker, List Homop., ii, p. 488, 1851, *Enchenopa.*
frigida Walker, List Homop., ii, p. 490, 1851, *Enchenopa.*
bimacula Walker, List Homop., ii, p. 491, 1851, *Enchenopa.*
†*curvata* Stål, Hemip. Fabr., ii, p. 43, 1869.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 343, 1876; iii, p. 457, 1877,
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1333. [*Enchenopa.*
Van Duzee, Psyche, v, p. 389, 1890.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 11, 1908.
Van Duzee, Can. Ent., xl, p. 115, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 170, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 336, 1912.
Ball, Ann. Ent. Soc. Am., viii, p. 368, 1915.

Localities: Quebec, Ont., Me., Vt., N. Y., N. J., Pa., N. C., Ill., Ia., Kans., Mo., Colo., Wyo., Mont., Texas, N. Mex., Ariz., Calif.

Genus **Enchenopa** Am. & Serv.
Haplotype *monoceros* Germ.

Amyot and Serville, Hémip., p. 535, 1843.
Walker, List Homop., ii, p. 481, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 467, 1856.
Stål, Hemip. Fabr., ii, p. 42, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 259, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 8, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 111, 112, 1908.

1735. **Enchenopa binotata** (Say)

Say, Long's 2d Exped., ii, p. 301, 1824; Compl. Writ., i, p. 201, *Membracis.*
Germar, Silb. Rev. Ent., iii, p. 226, 1835, *Membracis.*
Harris, Rept. Ins. Mass., p. 181, 1841, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 251, 1846, *Membracis.*
Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Enchophyllum.*
Walker, List Homop., ii, p. 481, 1851.
Emmons, Nat. Hist. N. Y., Ins., p. 156 (*Thelia*), pl. 13, fig. 17 (*Enchophyl-*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 464, 1856. [*lum*), 1854.
Uhler *in* Harris, Treat. Ins. Inj. Veg., edn. 3, p. 221, 1862.
Walsh and Riley, Am. Ent., i, p. 248, 1868, *Enchophyllum.*
Stål, Of. Vet. Akad. Forh., xxvi, p. 272, 1869.
Riley, Am. Ent., iii, p. 254, 1880, *Enchophyllum.*
Lintner, 1st Rept. N. Y. St. Ent., p. 281, 1882.
Dimmock, Psyche, iv, 241, 1885.
Van Duzee, Can. Ent., xxi, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 229, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Goding, Insect Life, v, p. 93, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 187, 1894.
Fowler, Biol. Centr. Am., Homop., ii, p. 9, pl. 1, fig. 10, 1894.
Slosson, Ent. News, vii, p. 265, 1896.
Buckton, Monog. Membr., p. 47, pl. 5, fig. 3, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 212, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Felt, 7th Rept. N. Y. Forest, Fish, Game Comm., p. 530, pl. 16, fig. 15, 1908.
Howard, Insect Book, p. 238, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 112, 1908.

Van Duzee, Can. Ent., xl, p. 115, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 170, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 93, 1910.
Matausch, Jl. N. Y. Ent. Soc., xx, p. 58, 1912.
Matausch, Bul. Am. Mus. Nat. Hist., xxxi, p. 336, 1912.
Van Duzee, Can. Ent., xxiv, p. 326, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Funkhauser, Jl. Econ. Ent., viii, p. 368, 1915 (life history).

brevis Walker, List Homop., ii, p. 492, 1851.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 463, 1894.

bifusifera Walker, List Homop., Suppl., p. 125, 1858.
Stål, Of. Vet. Akad. Forh., xxvi, p. 273, 1869.

§*bivittata* Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869.

porrecta Buckton, Monog. Membr., p. 51, pl. 6, fig. 5, 1902.
Localities: Quebec, Ont., Mass., N. H., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Ill., Ia., Mich., Kans., Mo., Texas.

1736. **Enchenopa permutata** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 112, 1908.
Localities: Utah, Ariz.

Genus **Leioscyta** Fowl.
Orthotype *pallidipennis* Stål

Fowler, Biol. Centr. Am., Homop., ii, p. 14, 1894.
Buckton, Monog. Membr., p. 54, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 111, 1908.

1737. **Leioscyta ferruginipennis** (Godg.)
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 468, 1894, *Tropidoscyta.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 113, 1908.

a. var. **testacea** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 113, 1908.
Localities: Colo., Utah, Ariz., Calif.

1738. **Leioscyta pallidipennis** (Stål)
Stål, Hemip. Fabr., ii, p. 46, 1869, *Tropidoscyta.*
Fowler, Biol. Centr. Am., Homop., ii, p. 14, pl. 1, fig. 21, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 114, 1908.
Localities: Ariz. (Mexico.)

Genus **Multareis** Godg.
Orthotype *cornutus* Godg.

Goding, Can. Ent., xxvii, p. 274, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 114, 1908.

1739. **Multareis cornutus** Godg.
Goding, Can. Ent., xxvii, p. 275, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 114, 1908.
Localities: Utah, Calif.

Genus **Tylopelta** Fowl.
Haplotype *gibbera* Stål

Fowler, Biol. Centr. Am., Homop., ii, p. 15, 1894.

Buckton, Monog. Membr., p. 55, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 111, 1908.

1740. **Tylopelta gibbera** (Stål)

Stål, Hemip. Fabr., ii, p. 46, 1869, *Tropidoscyta.*
Fowler, Biol. Centr. Am., Homop., ii, p. 15, pl. 2, fig. 1, 1894.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 469, 1894, *Tropidoscyta.*
Buckton, Monog. Membr., p. 55, pl. 7, fig. 7, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 114, 1908. [*idoscyta.*
americana Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 469, 1894, *Trop-*
Localities: Texas, Ariz.

1741. **Tylopelta brevis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 115, 1908; ix, p. 209, 1909.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: N. C., Fla.

Genus **Bolbonota** Am. & Serv.
Haplotype *nisus* Germ.

Amyot and Serville, Hémip., p. 537, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 257, 1846.
Stål, Hemip. Fabr., ii, p. 46, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 259, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 15, 1894.
Buckton, Monog. Membr., p. 61, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 110, 1908.

Subgenus **Tubercunota** Godg.
Orthotype *melaena* Germ.

Goding, Can. Ent., xxv, p. 55, 1893.
Fowler, Biol. Centr. Am., Homop., ii, p. 16, 1894.

1742. **? Bolbonota tuberculata** Coqueb.

Coquebert, Illust. Icon. Ins., ii, p. 78, pl. 18, fig. 8, 1801, *Membracis.*
Fabricius, Syst. Rhyng., p. 22, 1803, *Centrotus.*
Burmeister, Hand. d. Ent., ii, p. 135, 1835, *Membracis.*
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 260, 1846.
Walker, List Homop., ii, p. 496, 1851.
Stål, Hemip. Fabr., ii, p. 46, 1869.
Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 470, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 115, 1908.
Localities: "Fla." (Goding). (Neotropical.)
[Undoubtedly a wrong determination.]

Subgenus **Bolbonota** Am. & Serv.

Goding, Can. Ent., xxv, p. 55, 1893 (names *aureo-sericea* Stål type).
Fowler, Biol. Centr. Am., Homop., ii, p. 16, 1894.

1743. **Bolbonota dubiosa** Van D.

Van Duzee, Can. Ent., xlvi, p. 389, 1915 (n.n. for *aureoscericea* Fowl.).
Van Duzee, Check List Hemip., p. 63, 1916.
‖*aureoscericea* Fowler, Trans. Ent. Soc. Lond. for 1894, p. 417.
Fowler, Biol. Centr. Am., Homop., ii, p. 16, 1894.
Locality: "N. Am."

Genus **Centrodontus** Godg.
Orthotype *atlas* Godg.

Goding, Ent. News, iii, p. 201, 1892.
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
?Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 110, 116, 1908.

1744. **Centrodontus atlas** (Godg.)

Goding, Ent. News, iii, p. 110, 1892, *Gargara;* iii, p. 201, 1892.
Townsend, Can. Ent., xxiv, p. 196, 1892, *Gargara.*
Goding, Insect Life, v, p. 92, 1892.
Riley, N. Am. Fauna, vii, p. 250, 1893, *Centrotus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 116, 1908.
Localities: Utah, N. Mex., Ariz., Calif.

Genus **Philya** Walk.
Haplotype *bicolor* Walk.

Walker, List Homop., Suppl., p. 126, 1858 (not *Philya* Stål, Hemip. Afr., i, [p. 33, 1864).
Fowler, Biol. Centr. Am., Homop., ii, p. 21, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 111, 1908.
Aechmophora Stål, Hemip. Fabr., ii, p. 39, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 260, 1892.

1745. **Philya ferruginosa** (Godg.)

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 466, 1894, *Aechmophora.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 116, 1908.
Locality: Ariz.

1746. **Philya californiensis** (Godg.)

Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 466, 1894, *Aechmophora.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 51, 1914 (descriptive note).
Locality: Calif.
[Goding erroneously credits *Sphongophorus ballista* Germ. to Ga. It is neotropical.]

Subfamily CENTROTINAE (Spin.)

Spinola, Tavola Sinot., p. 54, 1850, *Centrotoideae.*
Stål, Hemip. Afr., iv, pp. 83, 86, 1866, *Centrotida.* (Key.)
Stål, Of. Vet. Akad. Forh., xxvi, p. 280, 1869, *Centrotida.* (Key.)
Stål, Hemip. Fabr., ii, p. 49, 1869, *Centrotida.* (Key.)
Stål, Of. Vet. Akad. Forh., xxvii, p. 727, 1870, *Centrotina.*
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
Fowler, Biol. Centr. Am., Homop., ii, pp. 3, 146, 1894.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 9, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, pp. 31, 116, 1908, *Centrotida.*
Nudiscuti Amyot and Serville, Hémip., pp. lxii, 549, 1843.

Genus **Microcentrus** (Stål)
Orthotype *caryae* (Fitch)

Stål, Of. Vet. Akad. Forh., xxvi, p. 295, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
Kirkaldy, Can. Ent., xxxix, p. 249, 1907.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 117, 1908.
Phaulocentrus Fowler, Biol. Centr. Am., Homop., ii, p. 159, 1896.
Centruchoides Fowler, Biol. Centr. Am., Homop., ii, p. 161, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 117, 1908.

1747. **Microcentrus caryae** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 52, 1851, *Uroxyphus.*
Walker, List Homop., iv, p. 1147, 1851, *Centrotus.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 450, 1856, *Uroxyphus.*
Stål, Of. Vet. Akad. Forh., xvi, p. 295, 1869.
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Uroxyphus.*
Van Duzee, Psyche, v, p. 391, 1890.
Packard, 5th Rept. U. S. Ent. Comm., p. 324, 1890, *Uroxyphus.*
Goding, Insect Life, v, p. 92, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 117, 1908.
Matausch, Jl. N. Y. Ent. Soc., xviii, p. 170, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: Ont., N. Y., N. J., Pa., N. C., Ohio.

1748. **Microcentrus perdita** (Am. & Serv.)

Amyot and Serville, Hémip., p. 577, pl. 11, fig. 5, 1843, *Ledra.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 256, 1894, *Ledra.*
Baker, Can. Ent., xxix, p. 38, 1897, *Microcentrus.*
Osborn, Can Ent., xxix, p. 89, 1897, *Centruchus.*
Goding, Can. Ent., xxix, p. 245, 1897 (as var. of *caryae*).
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 111, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 117, 1908, *Centruchoides.*
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910, *Centruchoides.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914, *Centruchoides.*
[*capra* Melsh. MS] Goding, Can. Ent., xxv, p. 172, 1893.
leibecki Goding, Bul. Ill. St. Lab. Nat. Hist., iii, p. 471, 1894, *Centruchus.*
Localities: Mass., N. J., Pa., Fla., Colo., N. Mex.

Genus **Platycentrus** Stål
Logotype *acuticornis* Stål

Stål, Hemip. Fabr., ii, p. 48, 1869 (nomen nudum).
Stål, Of. Vet. Akad. Forh., xxvi, p. 291, 1869 (valid here).
Goding, Trans. Am. Ent. Soc., xix, p. 254, 1892.
Fowler, Biol. Centr. Am., Homop., ii, pp. 147, 148, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 117, 1908.

1749. **Platycentrus acuticornis** Stål

Stål, Of. Vet. Akad. Forh., xxvi, p. 291, 1869.
Riley, N. Am. Fauna, vii, p. 250, 1893.
Fowler, Biol. Centr. Am., Homop., ii, p. 148, pl. 9, fig. 10, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 118, 1908.
Localities: Ariz., Calif. (Mexico.)

Genus **Tylocentrus** Van D.
Haplotype *reticulatus* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 118, 1908.
Van Duzee, Can. Ent., xli, p. 384, 1909 (cites *reticulatus* as type).

1750. **Tylocentrus reticulatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 119, 1908.
Localities: Texas, Ariz., Utah, Nev.

Genus **Tuberculocentrus** Godg.
Haplotype *solus* Godg.

Goding, Can. Ent., xxvii, p. 275, 1895.

1751. **Tuberculocentrus solus** Godg.

Goding, Can. Ent., xxvii, p. 276, 1895.
Locality: Calif.

Genus **Centrotus** Fabr.
Logotype *cornutus* (Linn.)

Fabricius, Syst. Rhyng., p. 16, 1803.
Germar, Mag. d. Ent., iv, p. 31, 1821.
Fallén, Hemip. Suec., Cicad., p. 8, 1826.
Germar, Silb. Rev. Ent., i, p. 178, 1833; iii, p. 255, 1835.
Burmeister, Handb. d. Ent., ii, p. 131, 1835.
Westwood, Intrd. Mod. Classif. Ins., ii, Synop., p. 116, 1840 (names *cornuta*
Blanchard, Hist. des Ins., Hémip., p. 182, 1840. [type).
Amyot and Serville, Hémip., p. 550, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 509, 1846 (part).
Spinola, Tavola Sinot, p. 54, 1850.
Flor, Rhyn. Livl., ii, p. 102, 1861.
Stål, Hemip. Afr., iv, pp. 88, 93, 1866.
Stål, Of. Vet. Akad. Forh., xxvi, p. 282, 1869.
Fieber, Cicad. d'Eur., i, p. 47, 1875.
Edwards, Hemip. Homop. Brit. Isds., p. 19, pl. 1, fig. 11, 1896.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 45, 1908.
Acanthicus Laporte, Ann. Soc. Ent. Fr., i, p. 227, 1832.

1752. **Centrotus cornutus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 435, 1758, *Cicada.*
Geoffroy, Hist. Abrég. des Ins., i, p. 423, No. 18, pl. 9, fig. 2, 1762, *Cicada.*
Scopoli, Ent. Carn., p. 115, 1763, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 705, 1767, *Cicada.*
Fabricius, Syst. Ent., p. 676, 1775, *Membracis.*
Goeze, Ent. Beytr., ii, p. 128, 1778, *Cicada.*
Fabricius, Spec. Ins., ii, p. 317, 1781, *Cicada.*
Retzius, Genera et Spec. Ins., p. 81, 1783, *Cicada.*
Fourcroy, Ent. Paris., i, p. 189, 1785, *Cicada.*
Fabricius, Mant. Ins., ii, p. 264, 1787, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2094, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 14, 1794, *Membracis.*
Lamarck, Syst. Anim. s. Vert., p. 292, 1801, *Tettigonia.*
Walckenaer, Faune Paris., ii, p. 325, 1802, *Membracis.*
Fabricius, Syst. Rhyng., p. 19, 1803.
Germar, Mag. d. Ent., iv, p. 32, 1821.

Fallén, Hemip. Suec., Cicad., p. 8, 1826.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 219, 1829.
Burmeister, Handb. d. Ent., ii, p. 132, 1835.
Germar, Silb. Rev. Ent., iii, p. 256, 1835.
Herrich-Schaeffer, Nomen. Ent., i, p. 66, 1835.
Blanchard, Hist. des Ins., Hémip., p. 182, 1840.
Amyot and Serville, Hémip., p. 551, 1843.
Fairmaire, Ann. Soc. Ent. Fr., ser. 2, iv, p. 514, 1846.
Walker, List Homop., ii, p. 610, 1851.
Flor, Rhyn. Livl., ii, p. 104, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 67, 1868.
Sahlberg, Cicad., p. 98, 1870.
Fieber, Cicad. d'Eur., ii, p. 10, 1876.
Melichar, Cicad. Mitt. Eur., p. 16, figs. 18–22, 1896.
Buckton, Monog. Membr., p. 245, pl. 56, fig. 7, 1903.
Distant, Ann. Mag. Nat. Hist., ser. 8, p. 155, 1916.
Van Duzee, Check List Hemip., p. 63, 1916.

fusca De Geer, Mémoires, iii, p. 118, pl. 11, fig. 22, 1773, *Cicada*. [*trus.*
rugosus Buckton, Monog. Membr., p. 243, pl. 56, fig. 3, 1903, *Campylocen-*

Localities: Pa. (Ziegler in Mus. Comp. Zool., Cambr.). (Palaearctic.)

Subfamily AETHALIONINAE (Spin.)

Spinola, Tavola Sinot, p. 54, 1850, *Aethalionoideae*.
Ashmead, Ent. Am., v, p. 125, 1889 (as subfam. of *Bythoscopidae*).
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892, *Aethalionini*.
Fowler, Biol. Centr. Am., Homop., ii, p. 170, 1897.

Genus **Aethalion** Latr.
Orthotype *reticulata* (Fabr.)

Latreille, Consid. Gènl., p. 263, 1810.
Hoffmansegg, Wied. Zool. Mag., i, pt. 2, p. 92, 1817, *Aethalia*.
Germar, Mag. d. Ent., iv, p. 94, 1821, *Aethalia*.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 220, 1829.
Germar, Silb. Rev. Ent., i, p. 179, 1833, *Aethalia*.
Burmeister, Handb. d. Ent., ii, p. 108, 1835, *Aethalia*.
Blanchard, Hist. des Ins., Hémip., p. 198, 1840.
Amyot and Serville, Hémip., p. 556, 1843.
Spinola, Tavola Sinot., p. 54, 1850.
Signoret, Ann. Soc. Ent. Fr., ser. 2, ix, p. 670, 1851.
Walker, List Homop., iii, p. 646, 1851.
Stål, Hemip. Fabr., ii, p. 49, 1869.
Stål, Of. Vet. Akad. Forh., xxvi, p. 296, 1869.
Goding, Trans. Am. Ent. Soc., xix, p. 253, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 170, 1897.
‡*Cetalion* Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815.

1753. **Aethalion nervoso-punctatum** Sign.

Signoret, Ann. Soc. Ent. Fr., ser. 2, ix, p. 679, pl. 14, fig. 10, 1851.
Stål, Of. Vet. Akad. Forh., xxvi, p. 299, 1869.
Fowler, Biol. Centr. Am., Homop., ii, p. 172, pl. 10, fig. 20, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 53, 1907.
Localities: Ariz. (West Indies, Mexico.)

Family CICADELLIDAE (Latr.)

Latreille, Fam. Nat. Règne Animal, p. 427, 1825, *Cicadellae.*
Germar, Silb. Rev. Ent., i, p. 178, 1833 (includes *Cercopidae*).
Burmeister, Handb. d. Ent., ii, p. 103, 1835, *Cicadellina.*
Blanchard, Hist. des Ins., Hémip., p. 187, 1840, *Cicadelliens.*
Walker, List Homop., iii, p. 637, 1851, *Cicadellina* (includes *Cercopidae*).
Flor, Rhyn. Livl., ii, p. 107, 1861, *Cicadellina* (includes *Cercopidae*).
Van Duzee, Check List Hemip., p. 63, 1916.
Lathrop, Ohio Jl. Sci., xvii, p. 119, 1917 (South Carolina species).
Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 79, 1917 (Wisconsin species).
Serripedes Amyot and Serville, Hémip., p. 569, 1843.
Tettigonitae Spinola, Tavola Sinot., pp. 27, 56, 1850 (includes *Cercopidae*).
Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 295, 1907; iii, pp. 9, 23, [1907.
Jassina Stål, Stet. Ent. Zeit., xix, p. 234, 1858.
Dohrn, Cat. Hemip., p. 83, 1859.
Stål, Stet. Ent. Zeit., xxv, p. 73, 1864.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 500, 1866, *Jassidae.*
Stål, Hemip. Afr., iv, p. 99, 1866, *Jassida.*
Kirschbaum, Cicad. v. Wiesbd., p. 69, 1868.
Stål, Of. Vet. Akad. Forh., xxvii, p. 727, 1870 (includes *Membracidae*).
Sahlberg, Cicad., pp. 67, 99, 1871.
Fieber, Kat. Europ. Cicad., p. 8, 1872, *Jassida.*
Fieber, Cicad. d'Eur., i, p. 99, 1875, *Jassida.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 9, 1887, *Jassidae.*
Hansen, Ent. Tidskr., xi, p. 64, 1890, *Jassidae* (morphology). [fam.).
Van Duzee, Trans. Am. Ent. Soc., xix, p. 295, 1892, *Jassoidea* (Super-
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 245, 1894, *Jassoidea* (Cata-
Melichar, Cicad. Mitt. Eur., p. 131, 1896, *Jassidae.* [logue).
Kirkaldy, Transl. of Hansen, Entomol., xxxiii, p. 118, 1900; xxxiv, p. [152, 1901; xxv, pp. 217, 234, 1902.
Osborn, 20th Rept. N. Y. St. Ent., p. 500, 1905, *Jassoidea.*
Matsumura, Schrift. Nat. Ges. Danzig, xi, p. 66, 1906, *Jassidae.*
Distant, Fauna Brit. Ind., Rhyn., iv, p. 157, 1908, *Jassidae.*
Smith, Cat. Ins. N. J., edn. 3, p. 99, 1910, *Jassoidea.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 28, 1911, *Jassidae.*
Metcalfe, Ann. Ent. Soc. Am., vi, p. 103, 1913, *Jassidae* (wing venation).

Subfamily PAROPINAE (Dohrn)

Dohrn, Cat. Hemip., p. 83, 1859, *Paropidae.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 500, 1866, *Paropidae.*
Sahlberg, Cicad., pp. 72, 373, 1871, *Paropidea.*
Fieber, Kat. Europ. Cicad., p. 7, 1872.
Fieber, Cicad. d'Eur., i, p. 43, 1875.
Melichar, Cicad. Mitt. Eur., p. 130, 1896, *Paropidae.*
Van Duzee, Check List Hemip., p. 63, 1916.
Koebeliidae Baker, Psyche, viii, p. 76, 1897.
Megophthalminae Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, p. 296, 1906.
Oshanin, Verz. Palae. Hemip., ii, p. 47, 1906.
Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, pp. 24, 89, 1907.
Oshanin, Kat. Palae. Hemip., p. 99, 1912.

Genus **Koebelia** Bak.
Orthotype *californica* Bak.

Baker, Psyche, viii, p. 76, 1897.

1754. **Koebelia californica** Bak.

Baker, Psyche, viii, p. 76, 1897.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Locality: Calif.

1755. **Koebelia irrorata** Ball

Ball, Can. Ent., xli, p. 185, 1909.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Ariz., Calif.

1756. **Koebelia coronata** Ball

Ball, Can. Ent., xli, p. 185, 1909.
Locality: Calif.

1757. **Koebelia grossa** Ball

Ball, Can. Ent., xli, p. 185, 1909.
Locality: Calif.

Genus **Paropulopa** Fieb.
Haplotype *lineata* Fieb.

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 500, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 14, 69, 1868.
Fieber, Cicad. d'Eur., i, p. 99, pl. 11, figs. 33, 36, 1875; ii, pl. 9, 1876.

1758. **Paropulopa interrupta** Ball

Ball, Can. Ent., xxxiv, p. 21, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 51, 1914, *Koebelia*.
Locality: Calif.

1759. **Paropulopa friscana** Ball

Ball, Can. Ent., xli, p. 183, 1909.
Locality: Calif.

1760. **Paropulopa arborea** Ball

Ball, Can. Ent., xli, p. 184, 1909.
Locality: Calif.

1761. **Paropulopa californica** Ball

Ball, Can. Ent., xli, p. 184, 1909.
Locality: Calif.

Subfamily BYTHOSCOPINAE (Dohrn)

Dohrn, Cat. Hemip., p. 84, 1859, *Bythoscopidae*.
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 449, 1868, *Bythoscopida*.
Sahlberg, Cicad., pp. 68, 113, 1871, *Bythoscopidae*.
Fieber, Kat. Eur. Hemip., p. 8, 1872, *Bythoscopidae*.
Fieber, Cicad. d'Eur., ii, p. 100, 1876, *Bythoscopidae*.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 48, 1879, *Bythoscopides*.
Berg, Hemip. Arg., p. 276, 1879, *Bythoscopina*.

Ashmead, Ent. Am., iv, p. 67, 1888; v, p. 125, 1889, *Bythoscopidae.*
Van Duzee, Ent. Am., v, p. 165, 1889, *Bythoscopidae.* (Key.)
Van Duzee, Trans. Am. Ent. Soc., xix, p. 296, 1892, *Bythoscopidae.*
Osborn, 20th Rept. N. Y. St. Ent., p. 500, 1905, *Bythoscopidae.*
Matsumura, Schrift. Nat. Ges. Danz., xi, p. 72, 1906, *Bythoscopidae.*
Distant, Fauna Brit. Ind., Rhyn., iv, p. 183, 1908.
Agallinae Kirkaldy, Haw. S. P. A., Exp. St. Bul., i, pp. 296, 345, 1906.
Eurymelini Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, pp. 24, 29, 1907.

Genus **Agallia** Curt.
Haplotype *consobrina* Curt. = *puncticeps* Germ.

Curtis, Ent. Mag., i, p. 193, 1833.
Kirschbaum, Die Gatt. Idiocerus, p. 3, 1868.
Kirschbaum, Cicad. v. Wiesbd., p. 16, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, pp. 450, 462, 1868.
Sahlberg, Cicad. p. 151, 1871.
Fieber, Cicad. d'Eur., i, p. 103, 1875; ii, pl. 9, 1876.
Mayr, Tabellen, p. 27, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 125.
Ashmead, Ent. Am., v, p. 126, 1889.
Van Duzee, Ent. Am., v, p. 166, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 296, 1889.
Melichar, Cicad. Mitt. Eur., p. 169, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 110, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 45, 1897.

Subgenus **Agalliopsis** Kirk.
Orthotype *novella* Say

Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, p. 31, 1907.
Agallia group II, Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 46, 1897.

1762. **Agallia novella** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 309, 1831; Compl. Writ., ii, p. 384, *Jassus.*
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Provancher, Pet. Faune Ent. Can., iii, p. 293, 1890, *Idiocerus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894.
Slosson, Ent. News, vi, p. 321, 1895.
Gillette and Baker, Hemip. Colo., p. 80, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 54, pl. 1, fig. 2, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 508, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Van Duzee, Can. Ent., xl, p. 116, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 209, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Osborn, Me. Ag. Exp. Sta., Bul. 238, p. 96, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 18, 1915.

De Long, Tenn. St. Bd. Ent., Bul. 17, p. 13, 1916.
§*nobilis* Forbes, 14th Rept. Ill. St. Ent., p. 22, 1884, *Macropsis.*
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., D. C., Va., N. C., Fla., Ohio, Mich., Ky., Tenn., Mo., Kans., Colo., Vanc. Isd.

1763. **Agallia oculata** Van D.

Van Duzee, Ent. Am., vi, p. 38, 1890.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 57, 1898.
Ball, Psyche, ix, p. 127, 1900.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 51, 1914.
Localities: Ont., N. Y., Calif.

Subgenus **Agallia** Curt.

Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, pp. 11, 31, 1907.
Agallia Group I, Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 46, 1897.

1764. **Agallia 4-punctata** Prov.

Provancher, Nat. Can., iv, p. 376, 1872, *Bythoscopus.*
Van Duzee, Ent. Am., v, p. 167, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 296, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894.
Gillette and Baker, Hemip. Colo., p. 80, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 48, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 508, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Horvath, Ann. Mus. Natl. Hung., vi, p. 568, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 95, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
De Long, Tenn. St. Bd. Ent., Bul. 17, p. 12, 1916.
[*flaccida* Uhl. MS] Van Duzee, Can. Ent., xxi, p. 9, 1889. [(young).
canadensis Van Duzee, Trans. Am. Ent. Soc., xix, p. 301, 1892, *Ulopa*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894 (young).
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ohio, Ky., Tenn., Ark., Kans., Neb., Ia., Colo., Br. Col., Calif.

1765. **Agallia constricta** Van D.

Van Duzee, Can. Ent., xxvi, p. 90, 1894.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 52, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 508, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 210, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915.

Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
De Long, Tenn. St. Bd. Ent., Bul. 17, p. 13, 1916.
Localities: N. Y., N. J., Pa., N. C., Fla., Ky., Tenn., Miss., Mo., Kans., Texas.

1766. **Agallia deleta** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 210, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Locality: Fla.

1766½. **Agallia immaculata** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 120, 1917.
Locality: S. C.
(Probably not distinct from preceding.)

Subgenus **Aceratagallia** Kirk.
Orthotype *sanguinolenta* Prov.

Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, pp. 11, 30, Sept., 1907.
Agallia Group III, Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 46, 1897.
¶*Ceratagallia* Kirkaldy, Haw. S. P. A., Exp. St. Bul., iv, p. 61, May, 1907.
[(Catalogue name.)

1767. **Agallia sanguinolenta** (Prov.)

Provancher, Nat. Can., iv, p. 376, 1872, *Bythoscopus*.
Van Duzee, Ent. Am., v, p. 166, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 296, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894.
Gillette and Baker, Hemip. Colo., p. 81, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 58, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 508, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Van Duzee, Can. Ent., xl, p. 116, 1908; xli, p. 128, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 210, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 103, fig. 29, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 97, 1915.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915.
Gibson, Can. Ent., xlviii, p. 178, 1916.
Gibson, U. S. Dept. Agr., Farmer's Bul. 737, 1916.
De Long, Tenn. St. Bd. Ent., Bul. 17, p. 14, 1916.
siccifolius Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 359, 1876, *Bythoscopus*.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1334, *Bythoscopus*.
Van Duzee, Can. Ent., xxi, p. 9, 1889.
Localities: Quebec, Ont., Mass., N. Y., N. J., Pa., D. C., Md., Va., N. C., S. C., Fla., Ala., Miss., Ohio, Ky., Tenn., Ind., Ia., Mo., Kans., Ark., Neb., N. D., Colo., Wyo., Utah, N. Mex., Calif., Br. Col.

1768. **Agallia uhleri** Van D.

Van Duzee, Can. Ent., xxvi, p. 91, 1894.
Gillette and Baker, Hemip. Colo., p. 81, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 59, 1898.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
[*venata, enervis* and *longula* Uhler MS] (in collections).
Localities: Mo., Ia., Wyo., N. Mex., Ariz., Calif.

1769. **Agallia gillettei** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 60, 1898.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Localities: Mo., Ariz.

1770. **Agallia bigeloviae** Bak.

Baker, Psyche, vii, Suppl., i, p. 26, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 62, 1898 (*biglovia*).
Kirkaldy, Haw. S. P. A., Exp. St. Bul., iv, p. 61, 1907, *Ceratagallia*.
Localities: N. Mex., Ariz., Colo. (Mexico.)

1771. **Agallia cinerea** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 62, 1898.
Ball, Psyche, ix, p. 128, 1900.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 14, 1916.
inconspicuua Baker, Psyche, viii, p. 198, 1898 (as var. of *sanguinolenta*)
Localities: Tenn., Ia., Kans., Colo., Ariz., Calif.

1772. **Agallia californica** Bak.

Baker, Psyche, viii, p. 199, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech Bul., i, p. 248, 1916.
Locality: Calif.

1773. **Agallia lyrata** Bak.

Baker, Psyche, viii, p. 199, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 210, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
?peregrinans Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 64, 1898.
Ball, Psyche, ix, p. 128, 1900.
Localities: Fla.?, Calif., Vanc. Isd.

1774. **?Agallia peregrinans** Stål

Stål, Freg. Eug. Resa, Ins., p. 291, 1859, *Bythoscopus*.
Berg, Hemip. Arg., Add., p. 176, 1884.
Kirkaldy, Ann. Soc. Ent. Belg., li, p. 121, 1907.
Localities: Calif.(?). (Tahiti, Oahu.)
[This may be *lyrata* as suggested by Ball.]

[**Agallia variata** Uhl. MS]

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Locality: Fla.

Genus **Idiocerus** Lewis
Haplotype *adustus* H. S.

Lewis, Trans. Ent. Soc. Lond., i, p. 47, 1835.
Burmeister, Genera Ins., i, pl. 10, 1838 (*Bythoscopus*, subgenus).
Amyot and Serville, Hémip., p. 585, 1843.
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 450, 1868.
Kirschbaum, Die Gatt. Idiocerus, pp. 3, 4, 1868.
Kirschbaum, Cicad. v. Wiesbd., pp. 16, 152, 1868.
Sahlberg, Cicad., pp. 69, 137, 1871.
Fieber, Cicad. d'Eur., i, p. 100, pl. 11, figs. 39, 40, 1875; ii, pl. 9, 1876.
Edwards, Ent. Mo. Mag., xx, p. 113, 1883 (table of British species).
Mayr, Tabellen, p. 26, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 114, pl. 2, fig. 4.
Ashmead, Ent. Am., v, p. 126, 1889.
Van Duzee, Ent. Am., v, p. 166, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 291, 1890.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 12, 1898. (Key.)
Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, p. 29, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 184, 1908.

1775. **Idiocerus amoenus** Van D.

Van Duzee, Can. Ent., xxvi, p. 89, 1894 (*amoemus* by error).
Gillette and Baker, Hemip. Colo., p. 74, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 135, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.

a. var. **depictus** Ball
Ball, Can. Ent., xxxiv, p. 313, 1902.
Localities: Colo., Calif.

1776. **Idiocerus amabilis** Ball

Ball, Can. Ent., xxxiv, p. 306, 1902.
Localities: Colo., Br. Col., Calif.

1777. **Idiocerus nervatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 194, 205, 1894.
Gillette and Baker, Hemip. Colo., p. 76, 1895.
Osborn and Ball., Proc. Dav. Acad. Sci., vii, p. 137, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 506, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 211, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 11, 1916.
Localities: N. Y., N. J., Pa., Fla., Mich., Ia., Mo., Kans., Colo., Ariz., Calif.

1778. **Idiocerus pallidus** Fitch

Fitch, Homop. N. Y. St. Cab., p. 59, 1851.
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus*.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 359, 1876; iii, p. 465, 1877, *Bytho-*
Van Duzee, Can. Ent., xxi, p. 8, 1889. [*scopus.*
Provancher, Pet. Faune Ent. Can., iii, p. 291, 1889.
Van Duzee, Psyche, v, 388, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Gillette and Baker, Hemip. Colo., p. 76, 1895.
Slosson, Ent. News, vi, p. 5, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 135, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 505, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xl, p. 116, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 93, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 11, 1916.

obsoletus Walker, List Homop., iii, p. 873, 1851, *Bythoscopus.*

§*unicolor* Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.

Localities: Quebec, Ont., Me., N. H., Mass. N. Y., N. J., Pa., Tenn., Ia., Kans., Colo., Calif.

1779. **Idiocerus suturalis** Fitch

Fitch, Homop. N. Y. St. Cab., p. 59, 1851.
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Slosson, Ent. News, vi, p. 5, 1895.
Gillette and Baker, Hemip. Colo., p. 80, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 134, 1898.
Ball, Can. Ent., xxxiv, p. 311, 1902.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.
Osborn, 20th Rept. N. Y. St. Ent., p. 506, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Van Duzee, Can. Ent., xl, p. 116, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 94, 1915.

a. var. **lunaris** Ball
Ball, Can. Ent., xxxiv, p. 311, 1902.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 95, 1915.

b. var. **continuus** Ball
Ball, Can. Ent., xxxiv, p. 312, 1902.

c. var. **vagus** Ball
Ball, Can. Ent., xxxiv, p. 312, 1902.
Slosson, Ent. News, xvii, p. 326, 1906.

Localities: Quebec, Ont., Me., N. H., N. Y., Ohio, Mich.. Kans.. Colo., N. Mex., Manitoba.

1780. **Idiocerus duzeei** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 292, 1890.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 136, 1898.
Baker, Can. Ent., xxxii, p. 207, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
perplexus Gillette and Baker, Hemip. Colo., p. 78, 1895.
Baker, Ent. News, viii, p. 54, 1897.
Tucker, Univ. Kans. Sci. Bul., iv, p. 65, 1907.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 95, 1915.
Localities: Quebec, Ont., Me., N. H., Pa., Kans., Colo.

1781. **Idiocerus alternatus** Fitch

Fitch, Homop. N. Y. St. Cab., p. 59, 1851.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Provancher, Pet. Faune Ent. Can., iii, p. 293, 1890.
Cockerell, Trans. Am. Ent. Soc., xx, p. 365, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Gillette and Baker, Hemip. Colo., p. 73, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 70, 131, pl. 3, fig. 1, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 506, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xl, p. 116, 1909; xliv, p. 329, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 93, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
interruptus Gillette and Baker, Hemip. Colo., p. 74, 1895.
Localities: Quebec, Ont., Me., N. H., N. Y., Pa., N. C., Ohio, Tenn., Mich., Ia., Colo., Utah, Calif.

1781½. **Idiocerus subnitens** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 82, 1917.
Locality: Wis.

1782. **Idiocerus verticis** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 308, 1831; Compl. Writ., ii, p. 383, *Jassus.*
Walker, List Homop., iv, p. 1164, 1852, *Jassus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 465, 1877, *Bythoscopus.*
Van Duzee, Psyche, v, p. 389, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892 (noticed).
Gillette and Baker, Hemip. Colo., p. 80, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 132, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 11, 1916.
Localities: Me., Tenn., Ia., Mo., Colo.

1783. **Idiocerus concinnus** Ball

Ball, Can. Ent., xxxiv, p. 306, 1902.
Localities: Calif., Vanc. Isd.

1784. **Idiocerus rufus** G. & B.

Gillette and Baker, Hemip. Colo., p. 80, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 133, 1898.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.

a. var. **cingulatus** Ball
Ball, Can. Ent., xxxiv, p. 312, 1902.
Locality: Colo.

1785. **Idiocerus musteus** Ball

Ball, Can. Ent., xxxiv, p. 308, 1902.
Localities: Calif., Vanc. Isd.

1786. **Idiocerus obstinatus** Ball

Ball, Can. Ent., xxxiv, p. 310, 1902.
Locality: Ariz.

1787. **Idiocerus morosus** Ball

Ball, Can. Ent., xxxiv, p. 309, 1902.
Locality: Colo.

1788. **Idiocerus verrucosus** Ball

Ball, Can. Ent., xxxiv, p. 309, 1902.
Localities: Colo., Calif.

1789. **Idiocerus ensiger** Ball

Ball, Can. Ent., xxxiv, p. 308, 1902.
Ball, Ohio Nat., iii, p. 399, 1903.
Localities: Colo., Calif.

1790. **Idiocerus productus** G. & B.

Gillette and Baker, Hemip. Colo., p. 78, 1895.
Baker, Can. Ent., xxxii, p. 208, 1900.
Slosson, Ent. News, xvii, p. 326, 1906.
Localities: N. H., Colo.

1791. **Idiocerus femoratus** Ball

Ball, Can. Ent., xxxiv, p. 307, 1902.
Localities: Colo., Calif.

1792. **Idiocerus moniliferae** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 71, 131, pl. 3, fig. 2, 1898.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Localities: Ia., Kans.

1793. **Idiocerus scurra** (Germ.)

Germar, Fauna Ins. Eur., xvii, p. 11, 1834, *Jassus.*
Herrich-Schaeffer, Nomen. Ent., i, pp. 69, 112, 1835, *Bythoscopus.*
Burmeister, Genera Ins., pl. 10, 1838 (listed).
Walker, List Homop., iii, p. 859, 1851, *Bythoscopus.*
Kirschbaum, Die Gattung Idiocerus, p. 18, 1868 (note).
Kirschbaum, Cicad. v. Wiesbd., p. 160, 1868 (note).

Melichar, Cicad. Mitt. Eur., p. 151, 1896.
♀*crenatus* Germar, Fauna Ins. Eur., xvii, p. 10, 1834, *Jassus.*
Kirschbaum, Cicad. v. Wiesbd., p. 167, 1868, *Bythoscopus.*
germari Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 451, 1868.
gemmisimulans Leonard and Crosby, Jl. Econ. Ent., viii, p. 542, pl. 30, 1915.
Localities: N. Y. (Europe.)

1794. **Idiocerus formosus** Ball

Ball, Can. Ent., xxxiv, p. 305, 1902.
Slosson, Ent. News, xvii, p. 326, 1906.
Localities: N. H., Colo., Calif.

1795. **Idiocerus lachrymalis** Fitch

Fitch, Homop. N. Y. St. Cab., p. 58, 1851.
Van Duzee, Can. Ent., xxi, p. 8, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Slosson, Ent. News, vi, p. 5, 1895.
Gillette and Baker, Hemip. Colo., p. 76, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 130, 1898.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xl, p. 116, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 95, 1915.
†*subbifasciatus* Provancher, Pet. Faune Ent. Can., iii, p. 292, 1890.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Colo., N. Mex.

1796. **Idiocerus ramentosus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 465, 1877, *Bythoscopus.*
Van Duzee, Psyche, v, p. 389, 1890.
Gillette and Baker, Hemip. Colo., p. 79, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 137, 1898.
inscriptus Uhler MS (in collections).
†*verticis* Provancher, Pet. Faune Ent. Can., iii, p. 292, 1890.
mimicus Gillette and Baker, Hemip. Colo., p. 76, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 138, 1898. [fig. 3, 1898.
brunneus Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 72, 129, pl. 3,
Localities: Ia., Neb., Colo., Ariz., Vanc. Isd.

1797. **Idiocerus snowi** G. & B.

Gillette and Baker, Hemip. Colo., p. 79, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 129, 1898.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915.
Localities: N. Y., Ohio, Kans., Mo., Colo., Utah, Calif.

1798. **Idiocerus dolosus** Ball

Ball, Can. Ent., xxxiv, p. 304, 1902.
Locality: Colo.

1799. **Idiocerus distinctus** G. & B.

Gillette and Baker, Hemip. Colo., p. 75, 1895.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 138, 1898.
Locality: Colo.

1800. **Idiocerus crataegi** Van D.

Van Duzee, Can. Ent., xxii, p. 110, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 128, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915.
Localities: Ont., N. Y., Pa., Ohio, Ia., Mo., Colo.

1801. **Idiocerus provancheri** Van D.

Van Duzee, Can. Ent., xxii, p. 111, 1890 (n.n. for †*clitellarius* Prov.).
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Slosson, Ent. News, vii, p. 265, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 127, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 77, 1916.
†*clitellarius* Provancher, Pet. Faune Ent. Can., iii, p. 288, 1890, *Bythoscopus*.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., Pa., Ia., Colo., Br. Col.

1802. **Idiocerus fitchi** Van D.

Van Duzee, Can. Ent., xli, p. 383, 1909 (n.n. for *maculipennis* Fh.).
‖*maculipennis* Fitch, Homop. N. Y. St. Cab., p. 59, 1851.
Walker, List Homop., iv, p. 1161, 1852, *Bythoscopus*.
Van Duzee, Psyche, v, p. 388, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 194, 1894.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 73, 127, pl. 3, fig. 4, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 507, 1905.
Localities: Ont., Me., N. Y., Pa., Ohio, Ia.

1803. **Idiocerus striola** Fieb.

Fieber, Verh. Zool.-Bot. Ges. Wien, xvii, p. 453, 1868.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 138, 1898.
Ashmead, Harriman Alaska Exped., viii, p. 131, 1904.
Locality: Alaska.

Genus **Macropsis** Lewis
Logotype *virescens* (Gmel.)

Lewis, Trans. Ent. Soc. Lond., i, p. 49, 1835. [type].
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840 (names *virescens*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 345, 1906; iii, pp. 30, 36, 1907.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Van Duzee, Check List Hemip., p. 64, 1916.
Pediopsis Burmeister, Gen. Ins., pl. 10, 1838.
Amyot and Serville, Hémip., p. 586, 1843.
Stål, Hemip. Afr., iv, p. 128, 1866.
Kirschbaum, Die Gat. Idiocerus, p. 4, 1868.
Kirschbaum, Cicad. v. Wiesbd., pp. 16, 169, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 450, 1868.
Thomson, Opusc. Ent., i, p. 316, 1870.
Sahlberg, Cicad., pp. 68, 116, 1871.
Fieber, Cicad. d'Eur., i, p. 102, 1875; ii, pl. 9, 1876.
Mayr, Tabellen, p. 27, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 108.
Ashmead, Ent. Am., v, p. 125, 1889.
Van Duzee, Ent. Am., v, p. 167, 1889 (monograph).
Provancher, Pet. Faune Ent. Can., iii, p. 293, 1890.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 259, 1894 (catalogue).
Melichar, Cicad. Mitt. Eur., p. 139, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 111, 1898 (monograph).

1804. **Macropsis nubila** (Van D.)

Van Duzee, Ent. Am., vi, p. 37, 1890, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 123, 1898, *Bythoscopus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Locality: Calif.

1805. **Macropsis punctifrons** (Van D.)

Van Duzee, Ent. Am., v, p. 174, 1889, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 122, 1898, *Pediopsis.*
Locality: Ariz.

1806. **Macropsis reversalis** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 69, 123, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 505, 1905, *Pediopsis.*
Localities: N. Y., Pa., Ia.

1807. **Macropsis gleditschiae** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 67, 122, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 218, 1904, *Pediopsis.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 16, 1916, *Pediopsis.*
Localities: Pa., Tenn., Ia., Mo.

1808. **Macropsis virescens** (Gmel.)

Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2111, 1788 (*Cicada*).
Fabricius, Ent. Syst., iv, p. 46, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 79, 1803, *Cicada.*

Germar, Mag. d. Ent., iv, p. 45, 1821, *Jassus.*
Fallén, Hemip. Suec., Cicad., p. 52, 1826, *Cicada.*
Herrich–Schaeffer, Nom. Ent., i, p. 69, 1835, *Bythoscopus.*
Lewis, Trans. Ent. Soc. Lond., i, p. 50, pl. 8, fig. 3, 1835.
Burmeister, Genera Ins., pl. 10, 1838, *Pediopsis.*
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840 (as type).
Amyot and Serville, Hémip., p. 586, 1843, *Pediopsis.*
Walker, List Homop., iii, p. 861, 1851, *Bythoscopus.*
Flor, Rhyn. Livl., ii, p. 188, 1861, *Pediopsis.*
Kirschbaum, Cicad. v. Wiesbd., p. 175, 1868, *Pediopsis.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 458, 1868, *Pediopsis.*
Scott, Ent. Mo. Mag., x, p. 189, 1874, *Pediopsis.*
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 114, *Pediopsis.*
Melichar, Cicad. Mitt. Eur., p. 142, pl. 8, figs. 15–18, 1896, *Pediopsis.*
Edwards, Hemip. Homop. Brit. Isds., p. 96, pl. 11, fig. 9, 1896, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 90, 1915, *Pediopsis.*

a. var. **graminea** (Fabr.)
Fabricius, Ent. Syst. Suppl., p. 521, 1798, *Cicada.*
Fabricius, Syst. Rhyng., p. 77, 1803, *Cicada.*
Germar, Mag. d. Ent., iv, p. 81, 1821, *Jassus.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 459, 1868, *Pediopsis.*
Oshanin, Verz. Palae. Hemip., ii, p. 73, 1906, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 505, 1905, *Pediopsis.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 90, 1915, *Pediopsis.*
Localities: N. Y., Me. (Europe.)

1809. **Macropsis viridis** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 59, 1851, *Pediopsis.*
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 467, 1877, *Pediopsis.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Pediopsis.*
Van Duzee, Ent. Am., v, p. 170, 1889, *Pediopsis.*
Van Duzee, Psyche, v, pp. 238, 388, 1890, *Pediopsis.*
Provancher, Pet. Faune Ent. Can., iii, p. 294, 1890, *Pediopsis.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Pediopsis.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Pediopsis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Pediopsis.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 259, 1894, *Pediopsis.*
Gillette and Baker, Hemip. Colo., p. 73, 1895, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 121, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Pediopsis.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Pediopsis.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907, *Pediopsis.*
Van Duzee, Can. Ent., xl, p. 116, 1908, *Pediopsis.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Pediopsis.*
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 89, 1915, *Pediopsis.*

Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915, *Pediopsis.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 16, 1916, *Pediopsis.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., Md., N. C., Tenn., Mo., Kans., Ia., Colo.

1810. **Macropsis occidentalis** (Van D.)

Van Duzee, Psyche, v, p. 238, 1889, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 121, 1898, *Pediopsis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Localities: Nevada, Calif.

1811. **Macropsis suturalis** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 67, 119, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 92, 1915, *Pediopsis.*
Localities: Me., N. Y., Pa., Ia.

1812. **Macropsis crocea** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 68, 120, 1898, *Pediopsis.*
Locality: Ky.

1813. **Macropsis trivialis** (Ball)

Ball, Can. Ent., xxxiv, p. 304, 1902, *Pediopsis.*
Ball, Ohio Nat., iii, p. 398, 1913, *Pediopsis.*
Locality: Colo.

1814. **Macropsis erythrocephalus** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 72, 1895, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 120, 1898, *Pediopsis.*
Ball, Ohio Nat., iii, p. 398, 1903, *Pediopsis.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907, *Pediopsis.*
Locality: Colo.

1815. **Macropsis basalis** (Van D.)

Van Duzee, Ent. Am., v, p. 171, 1889, *Pediopsis.*
Provancher, Pet. Faune Ent. Can., iii, p. 295, 1890, *Pediopsis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 119, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 505, 1905, *Pediopsis.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Pediopsis.*
Van Duzee, Can. Ent., xl, p. 116, 1909, *Pediopsis;* xliv, p. 329, 1912.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 90, 1915, *Pediopsis.*

a. var. **fumipennis** (G. & B.)

Gillette and Baker, Hemip Colo., p. 73, 1895, *Pediopsis.*
Localities: Quebec, Ont., Me., N. Y., Pa., Ia., Colo.

1816. **Macropsis bicolor** (Osb.)

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 90, 1915, *Pediopsis.*
Locality: Me.

1817. **Macropsis canadensis** (Van D.)

Van Duzee, Can. Ent., xxii, p. 111, 1890, *Pediopsis* (n.n. for †*flavescens* Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Pediopsis.* [Van D.).
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 118, 1898, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Pediopsis.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Pediopsis.*
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 93, 1915, *Pediopsis.*
†*flavescens* Van Duzee, Ent. Am., v, p. 173, 1889, *Pediopsis.*
Localities: Quebec, Ont., Me., N. Y.

1818. **Macropsis bifasciata** (Van D.)

Van Duzee, Ent. Am., v, p. 173, 1889, *Pediopsis.*
Gillette and Baker, Hemip. Colo., p. 72, 1895, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 118, 1898, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Van Duzee, Can. Ent., xl, p. 116, 1908, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 93, 1915, *Pediopsis.*
Localities: Quebec, Ont., Me., N. Y., Pa., Ia., Colo.

1819. **Macropsis nigricans** Van D.

Van Duzee, Check List Hemip., p. 64, 1916 (n.n. for †*trimaculata* Van D.).
†*trimaculata* Van Duzee, Ent. Am., v, p. 172, 1889, *Pediopsis.*
Van Duzee, Psyche, v, p. 388, 1890, *Pediopsis.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Pediopsis.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 260, 1894, *Pediopsis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Pediopsis.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Pediopsis.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Pediopsis.*
†*bifasciata* Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Pediopsis.*
Localities: Ont., N. Y.

1820. **Macropsis ferrugineoides** (Van D.)

Van Duzee, Ent. Am., v, p. 171, 1889, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 66, 117, pl. 2, fig. 4, 1898,
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 92, 1915, *Pediopsis.* [*Pediopsis.*
†*bifasciata* Gillette and Baker, Hemip. Colo., p. 72, 1895, *Pediopsis.*
Localities: Me., Ia., Neb., Colo., Mont.

1821. **Macropsis trimaculata** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 60, 1851, *Pediopsis.*
Walker, List. Homop., iv, p. 1162, 1852, *Bythoscopus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 116, 1898, *Pediopsis.*
Ball, Ohio Nat., iii, p. 398, 1903, *Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Pediopsis.*
Van Duzee, Can. Ent., xli, p. 383, 1909, *Pediopsis;* xliv, p. 329, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 91, 1915, *Pediopsis.*
insignis Van Duzee, Ent. Am., v, p. 171, 1889, *Pediopsis.*
Van Duzee, Can. Ent., xxii, p. 249, 1890, *Pediopsis.*
Provancher, Pet. Faune Ent. Can., iii, p. 295, 1890, *Pediopsis.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Pediopsis.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Pediopsis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Pediopsis.*
Localities: Quebec, Ont., Me., N. Y., Pa., Mich., Ia., Kans., Colo.

1822. **Macropsis sordida** (Van D.)

Van Duzee, Can. Ent., xxvi, p. 89, 1894, *Pediopsis.*
Gillette and Baker, Hemip. Colo., p. 73, 1895, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 116, 1898, *Pediopsis.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Pediopsis.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 91, 1915, *Pediopsis.*
Localities: Me., N. J., Colo.

1823. **Macropsis tristis** (Van D.)

Van Duzee, Can. Ent., xxii, p. 249, 1890, *Pediopsis.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Pediopsis.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, pp. 66, 115, pl. 2, fig. 3, 1898,
Ball, Ohio Nat., iii, p. 398, 1903, *Pediopsis.* [*Pediopsis.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Pediopsis.*
Localities: Pa., Ia., Colo.

Genus **Oncopsis** Burm.
Logotype *flavicollis* (Linn.)

Burmeister, Genera Ins., pl. 10, 1838. [type).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840 (names *flavicollis*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 345, 1906; iii, p. 30, 1907.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Bythoscopus Amyot and Serville, Hémip., p. 584, 1843.
Kirschbaum, Die Gatt. Idiocerus, p. 4, 1868.
Kirschbaum, Cicad. v. Wiesbd., p. 16, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xviii, p. 450, 1868.
Fieber, Kat. Eur., Cicad., p. 8, 1872.
Fieber, Cicad. d'Eur., i, p. 102, 1875; ii, pl. 9, 1876.
Berg, Hemip. Arg., p. 276, 1879.
Mayr, Tabellen, p. 27, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 105.
Ashmead, Ent. Am., v, p. 126, 1889.
Van Duzee, Ent. Am., vi, p. 221, 1890 (monograph).
Provancher, Pet. Faune Ent. Can., iii, p. 287, 1890.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 257, 1894.
Melichar, Cicad. Mitt. Eur., p. 136, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 87, 1896.
†*Athysanus* Fitch, Homop. N. Y. St. Cab., p. 60, 1851.
†*Macropsis* Kirkaldy, Entomol., xxxiv, p. 240, 1901.

1824. **Oncopsis variabilis** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 60, 1851, *Athysanus.*
Walker, List Homop., iii, p. 876, 1851, *Bythoscopus.*
Fitch, Trans. N. Y. St. Agr. Soc., xviii, p. 853, 1858, *Athysanus.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Athysanus.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Pediopsis.*
Van Duzee, Psyche, v, p. 390, 1890, *Bythoscopus.*
Van Duzee, Ent. Am., vi, p. 223, 1890, *Bythoscopus.*
Packard, 5th Rept. U. S. Ent. Comm., p. 512, 1890, *Athysanus.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Bythoscopus.*
Harrington, Can. Ent., xxvi, p. 16, 1894, *Bythoscopus.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 257, 1894, *Bythoscopus.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., v. p, 194, 1894, *Bythoscopus.*
Slosson, Ent. News, v, p. 265, 1896, *Bythoscopus.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 501, 1905, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 88, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
abietis Fitch, Homop., N. Y. St. Cab., p. 60, 1851, *Athysanus.*
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 748, 1857, *Athysanus.*
Fitch, Trans. N. Y. St. Agr. Soc., xviii, p. 854, 1858, *Athysanus.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Athysanus.*
Packard, 5th Rept. U. S. Ent. Comm., pp. 512, 854, 1890, *Athysanus.*
?flavus Walker, List Homop., iii, p. 875, 1851, *Bythoscopus.*
†*clitellarius* Provancher, Nat. Can., iv, p. 377, 1872, *Macropsis.*
§*variegatus* Provancher, Pet. Faune Ent. Can., iii, p. 289, 1889, *Bythoscopus.*

a. var. **coloradensis** (Bak.)
Baker, Psyche, viii, p. 198, 1898, *Bythoscopus.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., N. C., Colo., Calif., Br. Col.

1825. **Oncopsis sobrius** (Walk.)

Walker, List Homop, iii, p. 874, 1851, *Bythoscopus.*
Van Duzee, Ent. Am., vi, p. 224, 1890, *Bythoscopus.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Bythoscopus.*
Slosson, Ent. News, v, p. 5, 1894, *Bythoscopus.*
Harrington, Can. Ent., xxvi, p. 16, 1894, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 502, 1905, *Bythoscopus.*
Van Duzee, Can. Ent., xl, p. 115, 1908, *Bythoscopus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 88, 1915.
Localities: Quebec, Ont., Me., N. H., N. Y.

1826. **Oncopsis cognatus** (Van D.)

Van Duzee, Ent. Am., vi, p. 225, 1890, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Slosson, Ent. News, xiii, p. 321, 1902, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 503, 1905, *Bythoscopus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Bythoscopus.*
Van Duzee, Can. Ent., xl, p. 116, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 89, 1915.
Localities: Quebec, Ont., Me., N. H., N. Y., Manitoba.

1827. **Oncopsis truncatus** (Bak.)

Baker, Psyche, viii, p. 198, 1898, *Bythoscopus.*
Locality: Mich.

1828. **Oncopsis fitchi** Van D.

Van Duzee, Check List. Hemip., p. 65, 1916 (n.n. for *fenestratus* Fh.).
‖*fenestratus* Fitch, Homop. N. Y. St. Cab., p. 60, 1851, *Athysanus.*

Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Fitch, Trans. N. Y. St. Agr. Soc., xviii, p. 853, 1858, *Athysanus.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Athysanus.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Pediopsis.*
Van Duzee, Psyche, v, p. 390. 1890, *Bythoscopus.*
Van Duzee, Ent. Am., vi, p. 225, 1890, *Bythoscopus.*
Provancher, Pet. Faune Ent. Can., iii, p. 289, 1890, *Bythoscopus.*
Packard, 5th Rept. U. S. Ent. Comm., p. 512, 1890, *Athysanus.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Bythoscopus.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 258, 1894, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Gillette and Baker, Hemip. Colo., p. 72, 1895, *Bythoscopus.*
Slosson, Ent. News, vii, p. 265, 1896, *Bythoscopus.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 503, 1905, *Bythoscopus.*
Van Duzee, Can. Ent., xxxviii, p. 410, 1906, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 88, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.

Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., N. C., Colo.

1829. **Oncopsis pruni** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 290, 1890, *Bythoscopus.*
Van Duzee, Ent. Am., vi, p. 226, 1890, *Bythoscopus.*
Harrington, Ottawa Nat., vi, p. 31, 1892, *Bythoscopus.*
Slosson, Ent. News, v, p. 5, 1894, *Bythoscopus.*
Harrington, Can. Ent., xxvi, p. 16, 1894, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Gillette and Baker, Hemip. Colo., p. 72, 1895, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 503, 1905, *Bythoscopus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905, *Bythoscopus.*
Van Duzee, Can. Ent., xxxviii, p. 410, 1906, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 87, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.

Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Colo., Sask., Calif., Br. Col.

1830. **Oncopsis minor** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 60, 1851, *Athysanus.*
Walker, List Homop., iii, p. 876, 1851, *Bythoscopus.*
Fitch, Trans. N. Y. St. Agr. Soc., xviii, p. 583, 1858, *Athysanus.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 551, 1869, *Athysanus.*
Van Duzee, Ent. Am., vi, p. 227, 1890, *Bythoscopus.*
Van Duzee, Psyche, v, p. 390, 1890, *Bythoscopus.*
Packard, 5th Rept. U. S. Ent. Comm., p. 512, 1890, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 503, 1905, *Bythoscopus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 88, 1915.
ocellatus Provancher, Nat. Can., iv, p. 377, 1872, *Macropsis.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Md.

1831. **Oncopsis nigrinasi** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 61, 1851, *Athysanus.*
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Van Duzee, Psyche, v, p. 390, 1890, *Bythoscopus.*
Van Duzee, Ent. Am., vi, p. 228, 1890, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 503, 1905, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*
Van Duzee, Can. Ent., xliv, pp. 328, 329, 1912.
Osborn, Me. Ag. Exp. Sta., Bul. 238, p. 89, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
flavescens Provancher, Nat. Can., iv, p. 376, 1872, *Pediopsis.*
Provancher, Pet. Faune Ent. Can., iii, p. 295, 1890, *Pediopsis.*
†*fenestratus* Provancher, Pet. Faune Ent. Can., iii, p. 289, 1890, *Bythoscopus.*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., Md., N. C.

1832. **Oncopsis fagi** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 61, 1851, *Athysanus.*
Walker, List Homop., iv, p. 1162, 1852, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Bythoscopus.*
Locality: N. Y.

1833. **Oncopsis distinctus** (Van D.)

Van Duzee, Ent. Am., vi, p. 224, 1890, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 195, 1894, *Bythoscopus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 65, 1898, *Bythoscopus.*
Wirtner, Ann. Carn. Mus., iii, p. 217, 1904, *Bythoscopus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 504, 1905, *Bythoscopus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907, *Bythoscopus.*
Smith, Cat. Ins. N. J., edn. 3, p. 102, 1910, *Bythoscopus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 71, 1915, *Bythoscopus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 17, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 15, 1916, *Bythoscopus.*
Localities: Ont., N. Y., N. J., Pa., Md., N. C., Ohio, Tenn., Ill., Mo., Kans.

Genus **Straganiopsis** Bak.
Orthotype *idioceroides* Bak.

Baker, Invert. Pacif., i, p. 10, 1903.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 31, 1907.

1834. **Straganiopsis idioceroides** (Bak.)

Baker, Psyche, ix, p. 55, 1900, *Macropsis.*
Locality: N. Mex.

Genus **Bythoscopus** Germ.
Logotype *lanio* (Linn.)

Germar, Silb. Rev. Ent., i, p. 180, 1833.
Kirkaldy, Entomol., xxxiv, p. 340, 1901.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 345, 1906; iii, p. 31, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 190, 1908.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
†*Jassus* Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815.
Fallén, Hemip. Suec., Cicad., p. 58, 1826 (names *lanio* pseudotype).
Batracomorphus Lewis, Trans. Ent. Soc. Lond., i, p. 51, 1835.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840.
Kirkaldy, Entomol., xxxiv, p. 219, 1901 (names *irroratus* type).
†*Macropsis* Amyot and Serville, Hémip., p. 585, 1843.
Fieber, Verh. Zool.-Bat. Ges. Wien, xviii, p. 449, 1868.
Stål, Hemip. Afr., iv, p. 126, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 16, 1868.
Sahlberg, Cicad., p. 113, 1871.
Fieber, Cicad. d'Eur., i, p. 101, 1875.
Mayr, Tabellen, p. 26, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 104.
Ashmead, Ent. Am., v, p. 126, 1889.
Van Duzee, Ent. Am., v, p. 165, 1889.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 256, 1894.
Ball, Psyche, ix, p. 128, 1900.
Oshanin, Verz. Palae. Hemip., ii, p. 67, 1906.
Oshanin, Kat. Palae. Hemip., p. 101, 1912.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 9, 1916.
Stragania Stål, Rio Jan. Hemip., ii, p. 49, 1862.
Fowler, Biol. Centr. Am., Homop., ii, p. 316, 1903.
Pachyopsis Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 466, 1877. (Type
Ashmead, Ent. Am., v, p. 126, 1889. [*laetus* Uhl.)
Van Duzee, Ent. Am., v, p. 165, 1889.
Gargaropsis Fowler, Biol. Centr. Am., Homop., ii, p. 167, 1896.

1835. **Bythoscopus laetus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 466, 1877, *Pachyopsis.*
Gillette and Baker, Hemip. Colo., p. 71, 1895, *Pachyopsis.*
Ball, Ohio Nat., iii, p. 397, 1903, *Macropsis.*

a. var. **paetus** Ball.
Ball, Psyche, ix, p. 130, 1900, *Macropsis.*
Locality: Colo.

1836. **Bythoscopus apicalis** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 64, pl. 2, fig. 1, 1898, *Macropsis.*
Ball, Psyche, ix, p. 129, 1900, *Macropsis.*
Gibson, Ohio Jl. Sci., xvi, p. 71, 1915, *Macropsis.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 9, 1916.
alabamensis Baker, Psyche, ix, p. 58, 1900, *Macropsis.*
Localities: Ala., Ohio, Tenn., Ia., Neb., Kans., Mo.

1837. **Bythoscopus robustus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 467, 1877, *Pachyopsis.*
Gillette and Baker, Hemip. Colo., p. 72, 1895, *Pachyopsis.*
Ball, Ohio Nat., iii, p. 398, 1903, *Macropsis.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 209, 1909, *Macropsis.*

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Localities: Fla., Ala., La., Texas, N. Mex., Ariz., Colo., Calif.

1838. **Bythoscopus misellus** (Stål)

Stål, Stet. Ent. Zeit., xxv, p. 85, 1864, *Stragania.*
Ball, Psyche, ix, p. 129, 1900, *Macropsis.*
Baker, Invert. Pacif., i, p. 11, 1903 (copies Stål's description).
Localities: Colo.(?), N. Mex.(?). (Mexico.)

1839. **Bythoscopus rufoscutellatus** (Bak.)

Baker, Psyche, ix, p. 58, 1900, *Macropsis.*
Localities: Colo., Nev.

1840. **Bythoscopus bisignatus** (Ball)

Ball, Can. Ent., xxxiv, p. 303, 1902, *Macropsis.*
Ball, Ohio Nat., iii, p. 398, 1903, *Macropsis.*
Locality: Colo.

1841. **Bythoscopus franciscanus** (Bak.)

Baker, Invert. Pacif., i, p. 12, 1903, *Macropsis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Locality: Calif.

1842. **Bythoscopus humilis** (Stål)

Stål, Stet. Ent. Zeit., xxv, p. 85, 1864, *Stragania.*
Baker, Invert. Pacif., i, p. 11, 1903, *Macropsis* (copies Stål's description).
Ball, Ohio Nat., iii, p. 398, 1903, *Macropsis.*
Localities: Colo. (Mexico.)

1843. **Bythoscopus ater** (Bak.)

Baker, Psyche, ix, p. 56, 1900, *Macropsis.*
Ball, Psyche, ix, p. 130, 1900, *Macropsis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
♀*magnus* Baker, Psyche, ix, p. 57, 1900, *Macropsis.*
Locality: Calif.

1844. **Bythoscopus californicus** (Bak.)

Baker, Psyche, ix, p. 57, 1900, *Macropsis.*
Ball, Psyche, ix, p. 129, 1900, *Macropsis.*
Localities: Colo., Calif.

1845. **Bythoscopus grandis** (Ball)

Ball, Can. Ent., xli, p. 186, 1909, *Macropsis.*
Localities: Colo., Utah, Ariz.

Subfamily CICADELLINAE Van D.

Van Duzee, Check List Hemip., p. 65, 1916.
Tettigonioideae Spinola, Tavola Sinot., pp. 56, 57, 1850.
Sahlberg, Cicad., p. 67, 1871, *Tettigonides.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 357, 1876, *Tettigonidae.*
Mayr, Tabellen, p. 28, 1884, *Tettigonidae.* [(Family.)
Osborn, Ent. Am., i, p. 26, 1885, *Tettigonidae.* (Family.)

Edwards, Trans. Ent. Soc. Lond. for 1886, p. 45, *Tettigonidae.* (Family.)
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 14, 1887, *Tettigonidae.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 297, 1892, *Tettigonidae.*
Tettigoniellidae Melichar, Wien. Ent. Zeit., xxiv, p. 298, 1905. [(Family.)
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 98, 1915. (Key.)
Tetigoninae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 318, 1906.

TRIBE *CICADELLINI* Van D.

Van Duzee, Check List Hemip., p. 65, 1916.
Tettigonides Amyot and Serville, Hémip., p. 569, 1843.
Walker, List Homop., iii, p. 732, 1851.
Dohrn, Cat. Hemip., p. 88, 1859, *Tettigonidae.*
Fieber, Cat. Eur. Cicad., p. 9, 1872, *Tettigoninae.*
Fieber, Cicad. d'Eur., i, p. 106, 1875, *Tettigonidae.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 45, 1879.
Berg, Hemip. Arg., p. 249, 1879, *Tettigoniina.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 297, 1892, *Tettigoniina.*
Fowler, Biol. Centr. Am., Homop., ii, p. 207, 1897, *Tettigoniidae.*
Ball, Proc. Ia. Acad. Sci., viii, p. 38, 1901, *Tettigoniina.*
Oshanin, Verz. Palae. Hemip., ii, p. 50, 1906, *Tettigoniina.*
Matsumura, Schrift. Nat. Ges. Danzig, xi, p. 72, 1906, *Tettigoninae.*
Proconiida Stål, Hemip. Fabr., ii, p. 79, 1869.
Stål, Of. Vet. Akad. Forh., xxvii, p. 733, 1870, *Proconiina.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 14, 1887, *Proconina.*
Tetigoniini Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 318, 1906; iii, [pp. 85, 86, 1907.
Tettigoniellini Jacobi Sitz. Ges. Nat. Freund. for 1905, p. 165.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 200, 1908. [*goniellinae.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914, *Tetti-*

Genus **Oncometopia** Stål
Logotype *undata* (Fabr.)

Stål, Hemip. Fabr., ii, pp. 60, 62, 1869.
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 14, 1887.
Fowler, Biol. Centr. Am., Homop., ii, p. 227, 1899.
Ball, Proc. Ia. Acad. Sci., viii, p. 41, 1901.
†*Proconia* Amyot and Serville, Hémip., p. 571, 1843. [1854.
Tettigonia Groupe I, ser. 3, Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 357,

1846. **Oncometopia undata** (Fabr.)

Fabricius, Ent. Syst., iv, p. 32, 1794, *Cicada.*
Fabricius, Ent. Syst., Suppl., p. 516, 1798, *Cicada.*
Coquebert, Illust. Icon. Ins., i, p. 32, pl. 8, fig. 3, 1799, *Cicada.*
Fabricius, Syst. Rhyng., p. 62, 1803, *Cicada.*
Germar, Mag. d. Ent., iv, p. 61, 1821, *Tettigonia.*
Burmeister, Handb. d. Ent., ii, p. 119, 1835, *Tettigonia.*
Blanchard, Hist. des Ins., Hémip., p. 192, 1840, *Cicada.*
Walker, List Homop., iii, p. 783, 1851, *Proconia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 486, pl. 17, fig. 5, 1854, *Tettigonia.*
Stål, Hemip. Fabr., ii, p. 62, 1869.
Riley, Am. Ent., i, p. 19, 1869, *Proconiae.*
Uhler, Stand. Nat. Hist., ii, p. 248, 1884.

Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 15, pl. 2, figs. 10–14, 1887.
Provancher, Pet. Faune Ent. Can., iii, p. 265, 1889, *Proconia.*
Harrington, Ottawa Nat., vi, p. 31, 1892.
Fowler, Biol. Centr. Am., Homop., ii, p. 231, pl. 14, figs. 19, 20, 1899.
Ball, Proc. Ia. Acad. Sci., viii, p. 41, 1901.
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 509, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 211, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 110, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 18, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 18, 1916.

orbona Fabricius, Ent. Syst., Suppl., p. 520, 1798, *Cicada.*
Fabricius, Syst. Rhyng., p. 72, 1803, *Cicada.* [*Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 485, pl. 17, fig. 3, 1854.
Walker, List Homop., Suppl., p. 225, 1858, *Proconia.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 265, 1894.

nigricans Walker, List. Homop., iii, p. 783, 1851, *Proconia.*

clarior Walker, List Homop., iii, p. 784, 1851, *Proconia.*

lucernea Walker, List Homop., iii, p. 785, 1851, *Proconia.*
Walker, List Homop., Suppl., p. 225, 1858, *Proconia.*

marginata Walker, List Homop., iii, p. 785, 1851, *Proconia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 487, 1854, *Tettigonia.*

badia Walker, List Homop., iii, p. 786, 1851, *Proconia.*
Walker, List Homop., Suppl., p. 225, 1858, *Proconia.*
Van Duzee, Ent. News, v, p. 157, 1894, *Gypona?* [*Proconia.*

scutellata Walker, List Homop., iii, p. 786, 1851; Suppl., p. 225, 1858,

tenebrosa Walker, List Homop., iii, p. 787, 1851, *Proconia.*

plagiata Walker, List Homop., iii, p. 788, 1851, *Proconia.*

alpha Fowler, Biol. Centr. Am., Homop., ii, p. 232, pl. 14, fig. 22, 1899.

?*obtusa* Fabricius, Ball, Proc. Ia. Acad. Sci., viii, p. 43, 1901.
Fowler, Biol. Centr. Am., Homop., ii, p. 228, 1899.
Osborn, Ohio Nat., ix, p. 460, 1909.

a. var. **garryae** Ckl.
Cockerell, Ann. Mag. Nat. Hist., ser. 7, xii, p. 453, 1903.
Localities: Quebec, Mass., N. J., Pa., N. C., Ga., Fla., Texas, N. Mex. (Mexico.)

1847. **Oncometopia lateralis** (Fabr.)

Fabricius, Ent. Syst., Suppl., p. 524, 1798, *Cercopis.*
Coquebert, Illust. Icon. Ins., i, p. 35, pl. 9, fig. 3, 1799, *Cercopis.*
Fowler, Biol. Centr. Am., Homop., ii, p. 241, pl. 15, fig. 18, 1899.
Ball, Proc. Ia. Acad. Sci., viii, p. 44, 1901.
Osborn, 20th Rept. N. Y. St. Ent., p. 509, 1905.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 61, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 99, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 18, 1915.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 18, 1916. [*alis* Fabr.

marginella Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis* (n.n. for *later-*
Kirby *in* Richardson, Fauna Bor. Am., iv, p. 285, 1837, *Cercopis.*

costalis Fabricius, Syst. Rhyng., errata, 1803 (n.n. for *marginella* Fabr.).
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 359, pl. 12, fig. 8, 1854, *Tetti-*
Walker, List Homop., Suppl., p. 224, 1858, *Proconia.* [*gonia.*
Stål, Hemip. Fabr., ii, p. 118, 1869.
Uhler, Wheeler's Surv. 100th Merid., v, p. 842, 1875, *Proconia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 357, 1876; iii, p. 459, 1877;
[iv, p. 510, 1878, *Proconia.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1334, *Proconia.*
Uhler, Stand. Nat. Hist., ii, p. 249, 1884, *Proconia.*
Woodworth, Bul. Ill St. Lab. Nat. Hist., iii, p. 17, 1887.
Van Duzee, Can. Ent., xxi, p. 9, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 265, 1889, *Proconia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892, *Proconia.*
Harrington, Ottawa Nat., vi, p. 31, 1892.
Cockerell, Trans. Am. Ent. Soc., xx, p. 365, 1893, *Proconia.*
Slosson, Ent. News, v, p. 5, 1894.
Van Duzee, Ent. News, v, p. 156, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 265, 1894.
Gillette and Baker, Hemip. Colo., p. 81, 1895.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Tucker, Univ. Kans. Sci. Bul., iv, p. 66, 1907.
Van Duzee, Can. Ent., xl, p. 157, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 212, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.

striata Walker, List Homop., iii, p. 775, 1851, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, i, p. 682, 1853, *Tettigonia.*

lugens Walker, List Homop., iii, p. 775, 1851, *Tettigonia.*

pyrrhotelus Walker, List Homop., iii, p. 775, 1851, *Tettigonia.*

Localities: Quebec, Ont., Me., N. H., N. Y., N. J., N. C., Fla., Kans., Colo., Utah, N. Mex., Ariz., Calif., Br. Col.

a. var. **limbata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 340, 1825; Compl. Writ., ii, p. 258, *Tetti-*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 821, 1855, *Tettigonia.* [*gonia.*
Van Duzee, Psyche, v, p. 389, 1890.
Ball, Proc. Ia. Acad. Sci., viii, p. 45, 1901.

septentrionalis Walker, List Homop., Suppl., p. 193, 1858, *Tettigonia.*

Localities: Mich., Mo., Dak., Ia., Colo., Calif., Br. Am.

Genus **Homalodisca** Stål

Logotype *triquetra* (Fabr.)

Stål, Hemip. Fabr., ii, pp. 60, 63, 1869.
Ball, Proc. Ia. Acad. Sci., viii, p. 46, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 80, 1908 (cites *triquetra* as type).

1848. **Homalodisca triquetra** (Fabr.)

Fabricius, Syst. Rhyng., p. 63, 1803, *Cicada.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 240, 1855, *Tettigonia.*
Walker, List Homop., Suppl., p. 243, 1858, *Ciccus.*
Stål, Hemip. Fabr., ii, p. 64, 1869.
Weed, Can. Ent., xxiv, p. 278, 1892.
Ball, Proc. Ia. Acad. Sci., viii, p. 47, pl. 2, fig. 1, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 80, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 212, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 19, 1916.
vitripennis Germar, Mag. d. Ent., iv, p. 61, 1821, *Tettigonia.*
Burmeister, Handb. d. Ent., ii, p. 120, 1835, *Tettigonia.*
Walker, List Homop., iii, p. 799, 1851, *Ciccus.* [*Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 493, pl. 17, fig. 10, 1854,
Walker, List Homop., Suppl., p. 225, 1858, *Proconia.*
Fowler, Biol. Centr. Am., Homop., ii, p. 221, pl. 14, fig. 1, 1899, *Phera.*
coagulata Say, Ins. of La., p. 13, 1832; Compl. Writ., i, p. 307, *Tettigonia.*
Stål, Stet. Ent. Zeit., xxv, p. 78, 1864, *Phera.*
Stål, Hemip. Fabr., ii, p. 64, 1869.
Riley and Howard, Insect Life, v, pp. 150–154, 1893.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915. [11, 1854, *Tettigonia.*
?ichthyocephala Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 494, pl. 17, fig.
admittens Walker, List Homop., Suppl., p. 227, 1858, *Proconia.*
aurigena Walker, List Homop., Suppl., p. 228, 1858, *Proconia.*
excludens Walker, Ins. Saund., Homop., p. 98, 1858, *Proconia.*
Localities: S. C., Ga., Fla., Ala., Miss., La., Texas, Mo.

1849. **Homalodisca liturata** Ball

Ball, Proc. Ia. Acad. Sci., viii, p. 48, pl. 2, fig. 2, 1901.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914.
Localities: Ariz., Calif.

1850. **Homalodisca insoleta** (Walk.)

Walker, List Homop., Suppl., p. 227, 1858, *Proconia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 49, pl. 2, fig. 3, 1901.
Localities: Texas, Ariz.

Genus **Aulacizes** A. & S.
Haplotype *quadripunctata* (Germ.)

Amyot and Serville, Hémip., p. 571, 1843.
Stål, Hemip. Fabr., ii, p. 61, 1869.
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 18, 1887.
Fowler, Biol. Centr. Am., Homop., ii, p. 214, 1898.
Ball, Proc. Ia. Acad. Sci., viii, p. 39, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 74, 1908 (cites *4-punctata* as type).
Tettigonia Groupe II, Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 731, 1854.

1851. **Aulacizes irrorata** (Fabr.)

Fabricius, Ent. Syst., iv, p. 33, 1794, *Cicada.*
Coquebert, Illust. Icon. Ins., i, p. 32, pl. 8, fig. 4, 1799, *Cicada.*

Latreille *in* Cuvier, Règne Animal., iii, p. 406, 1817.
Burmeister, Handb. d. Ent., ii, p. 119, 1835, *Tettigonia.*
Blanchard, Hist. des Ins., Hémip., p. 192, 1840, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 59, pl. 6, fig. 14, 1855, *Tettigonia.*
Walker, List Homop., Suppl., p. 236, 1858.
Stål, Hemip. Fabr., ii, p. 64, 1869.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 357, 1876.
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 19, pl. 2, figs. 15–18, 1887.
Ball, Proc. Ia. Acad. Sci., viii, p. 40, 1901.
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 509, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 18, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, 1916.

nigripennis Fabricius, Ent. Syst., iv, p. 32, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 69, 1803, *Cicada.*
Burmeister, Handb. d. Ent., ii, p. 119, 1835, *Tettigonia.*
Walker, List Homop., iii, p. 783, 1851, *Proconia?*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 491, 1854, *Tettigonia.*

rufiventris Walker, List Homop., iii, p. 796, 1851; Suppl., p. 236, 1858.
Localities: N. Y., N. J., Pa., Md., N. C., S. C., Fla., Ala., Ohio, Ky., Tenn., Ill., Mo., Texas. (Mexico.)

1852. **Aulacizes pollinosa** Fowl.

Fowler, Biol. Centr. Am., Homop., ii, p. 218, pl. 13, fig. 18, 1899.
Ball, Proc. Ia. Acad. Sci., viii, p. 40, 1901.

?guttata Uhler, Stand. Nat. Hist., ii, p. 248, 1884.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 211, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914.
Localities: Fla.(?). (Mexico.)

Genus **Cicadella** Latr.
Orthotype *viridis* (Linn.)

Latreille *in* Cuvier, Règne Animal., iii, p. 406, 1817 (n.n. for *Cicada* Fabr.).
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 223, 1829.
Gray *in* Griffith's Animal Kingd., xv, p. 226, 1832.
Percheron *in* Guerin, Dicty. Hist. Nat., p. 176, 1836.
Latreille *in* Cuvier Animal Kingd., Lond. edn., iv, p. 176, 1836.
Kirkaldy, Can. Ent., xxxix, p. 249, 1907; xlii, p. 65, 1910.
Van Duzee, Check List Hemip., p. 66, 1916.

§*Tetigonia* Geoffroy, Hist. Abreg. des Ins., i, p. 429, 1762.
Fourcroy, Ent. Paris., p. 193, 1785.

Tettigonia Reaumur, Mémoires, v, p. 150, 1740 (pre-linnean).
Olivier, Encyc. Méth., iv, p. 49, 1789.
Latreille, Hist. Nat. Crust. Ins., iii, p. 261, 1801; xii, p. 319, 1804.
Germar, Mag. d. Ent., iv, pp. 38, 57, 1821.
Le Peletier and Serville, Encyc. Méth., x, p. 600, 1825.
Germar, Silb. Rev. Ent., i, p. 180, 1833.
Burmeister, Handb. d. Ent., ii, p. 117, 1835.

Blanchard, Hist. des Ins., Hémip., p. 189, 1840.
Amyot and Serville, Hémip., p. 569, 1843.
Signoret, Ann. Soc. Ent. Fr., ser. 3, i, p. 323, 1853 (Groupe I, ser. 2).
Stål, Rio Jan. Hemip., ii, p. 38, 1862.
Stål, Hemip. Afr., iv, pp. 100, 115, 1866.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 502, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 15, 1868.
Stål, Hemip. Fabr., ii, p. 61, 1869.
Sahlberg, Cicad., p. 104, 1879.
Fieber, Cicad. d'Eur., i, p. 107, 1875.
Berg, Hemip. Arg., p. 250, 1879.
Mayr, Tabellen, p. 29, 1884.
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 20, 1887.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 15.
Provancher, Pet. Faune Ent. Can., iii, p. 262, 1889.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 271, 1894.
Fowler, Biol. Centr. Am., Homop., ii, p. 235, 1899.
Ball, Proc. Ia. Acad. Sci., viii, p. 49, 1901.
†*Cicada* Fabricius, Syst. Ent., p. 682, 1775.
Fabricius, Ent. Syst., iv, p. 27, 1794.
Fabricius, Syst. Rhyng., p. 61, 1803.
Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1830.
Zetterstedt, Fauna Lapp., p. 517, 1828.
Amblycephalus Curtis, Brit. Ent., i, p. 193, 1833.
Tettigonia Kirkaldy, Entomol., xxxiii, p. 238, 1900; xxxvii, p. 256, 1904.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 318, 1906.
Kirkaldy, Can. Ent., xxxix, p. 249, 1907; xlii, p. 63, 1910.
Tettigoniella Jacobi, Zool. Jahrb., xix, p. 778, 1903.
Distant, Ann. Mag. Nat. Hist., ser. 8, i, p. 516, 1908.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 201, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 212, 1909; x, p. 510, 1912.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 19, 1916.

1853. **Cicadella viridis** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 438, 1758, *Cicada.*
Geoffroy, Hist. Abreg. des Ins., i, p. 417, No. 5, 1862, *Cicada.*
Scopoli, Ent. Carn., p. 115, 1763, *Cicada.*
Fabricius, Syst. Ent., p. 685, 1775, *Cicada.*
Goeze, Ent. Beytr., ii, p. 142, 1778, *Cicada.*
Fabricius, Spec. Ins., ii, p. 326, 1781, *Cicada.*
Fourcroy, Ent. Paris., i, p. 185, 1785, *Cicada.*
Fabricius, Mant. Ins., ii, p. 271, 1787, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2114, 1788, *Cicada.*
Panzer, Fauna Germ., iii, pt. 32, pl. 9, 1796, *Cicada.*
Fabricius, Syst. Rhyng., p. 75, 1803, *Cicada.*
Latreille, Genera Crust. Ins., iii, p. 161, 1807, *Tettigonia.*
Leach *in* Brewster's Edinbg. Encyc., ix, p. 125, 1815, *Cicada.*
Germar, Mag. d. Ent., iv, p. 72, 1821, *Cicada.*
Fallén, Hemip., Suec., Cicad., p. 28, 1826, *Cicada.*
Burmeister, Handb. d. Ent., ii, p. 118, 1835, *Tettigonia.*
Curtis, Brit. Ent., xii, pl. 572, 1835, *Amblycephalus.*
Walker, List Homop., iii, p. 768, 1851, *Tettigonia.*

Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 17, pl. 2, fig. 3, 1854, *Tettigonia.*
Flor, Rhyn. Livl., ii, p. 145, 1861, *Tettigonia.*
Kirschbaum, Cicad. v. Wiesbd., p. 72, 1868, *Tettigonia.*
Sahlberg, Cicad., p. 105, 1871, *Tettigonia.*
Provancher, Pet. Faune Ent. Can., iii, p. 263, 1889, *Tettigonia.*
Melichar, Cicad. Mitt. Eur., p. 177, 1896, *Tettigonia.*
Edwards, Hemip. Homop. Brit. Isds., p. 115, pl. 14, figs. 1, 12, 1896, *Tettigonia.*
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Localities: Quebec. (Europe.)

1854. **Cicadella hieroglyphica** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 313, 1831; Compl. Writ., ii, p. 387, *Tetti-*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 805, 1855, *Tettigonia.* [*gonia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876; iii, p. 460, 1877, *Tettigonia.*
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1334, *Tettigonia.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 510, 1878, *Tettigonia.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 26, 1887, *Tettigonia.*
Gillette and Baker, Hemip. Colo., p. 81, 1895, *Tettigonia.*
Ball, Proc. Ia., Acad. Sci., viii, p. 51, 1901, *Tettigonia.*
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903, *Tettigonia.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907, *Tettigonia.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 52, 1914, *Tettigoniella.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915, *Tettigoniella.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 20, 1916, *Tettigoniella.*

a. var. **dolobrata** (Ball)

Ball, Proc. Ia. Acad. Sci., viii, p. 52, pl. 3, fig. 2, 1901, *Tettigonia.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 66, 1907, *Tettigonia.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 20, 1916, *Tettigoniella.*

b. var. **uhleri** (Ball)

Ball, Proc. Ia. Acad. Sci., viii, p. 52, pl. 3, fig. 3, 1901, *Tettigonia.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 66, 1907, *Tettigonia.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915, *Tettigoniella.*

c. var. **confluens** (Uhler)

Uhler, Proc. Acad. Nat. Sci. Phila., xiii, p. 285, 1862, *Proconia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 53, pl. 3, fig. 4, 1901, *Tettigonia.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915, *Tettigoniella.*
Localities: Tenn., Ill., Mo., Ia., Neb., Kans., Wyo., Idaho, Utah, Colo., N. Mex., Texas, Ariz., Calif., Ore., Wash., Vanc. Isd.

1855. **Cicadella gothica** (Sign.)

Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 345, pl. 11, fig. 6, 1854, *Tettigonia.*
Walker, List Homop., Suppl., p. 193, 1858, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 54, pl. 4, fig. 1, 1901, *Tettigonia.*
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904, *Tettigonia.*
Osborn, 20th Rept. N. Y. St. Ent., p. 510, 1905, *Tettigonia.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905, *Tettigonia.*
Van Duzee, Can. Ent., xl, p. 157, 1908, *Tettigonia.*
Van Duzee, Can. Ent., xli, p. 383, 1909, *Tettigoniella.*
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910, *Tettigoniella.*
Van Duzee, Can. Ent., xliv, p. 327, 1912, *Tettigoniella.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914, *Tettigoniella.*

Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915, *Tettigoniella.*
Osborn, Me. Agr. Exp. Sta., Bul., 238, p. 100, 1915, *Tettigoniella.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 19, 1915, *Tettigoniella.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 21, 1916, *Tettigoniella.* [*gonia.*
†*hieroglyphica* Harris, Hitchcock's Geol. Mass., edn. 2, p. 580, 1835, *Tetti-*
Provancher, Pet. Faune Ent. Can., iii, p. 267, 1889, *Diedrocephala.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Tettigonia.*
Harrington, Can. Ent., xxvi, p. 16, 1894, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Tettigonia.* [*gonia.*
‖*similis* Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 25, 1887, *Tetti-*
Van Duzee, Ent. News, v, p. 156, 1894, *Tettigonia.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 231, 1897, *Tettigonia.*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., D. C., Tenn., Kans., Mo.

1856. **Cicadella circellata** (Bak.)

Baker, Psyche, viii, p. 285, 1898, *Tettigonia.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914, *Tettigoniella.*
Essig, Inj. Benef. Ins. Calif., edn. 2, p. 66, 1915, *Tettigoniella.*
†*atropunctata* Ball, Proc. Ia. Acad. Sci., viii, p. 55, pl. 4, fig. 2, 1901, *Tetti-*
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904, *Tettigonia.* [*gonia.*
Localities: Ariz., Calif.

1857. **Cicadella dohrnii** (Sign.)

Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 792, pl. 24, fig. 13, 1855, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 56, pl. 4, fig. 3, 1901, *Tettigonia.*
aurora Baker, Psyche, viii, p. 286, 1898, *Tettigonia.* [*Tettigonia.*
delicata Fowler, Biol. Centr. Am., Homop., ii, p. 269, pl. 18, fig. 5, 1900,
Localities: Ariz. (Mexico.)

1858. **Cicadella occatoria** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 311, 1831; Compl. Writ., ii, p. 385,
Walker, List Homop., iv, p. 1157, 1852, *Tettigonia.* [*Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 353, pl. 12, fig. 2, 1854, *Tettigonia.*
Stål, Stet. Ent. Zeit., xxv, p. 75, 1864, *Tettigonia.*
Fowler, Biol. Centr. Am., Homop., ii, p. 279, pl. 18, fig. 29, 1900, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 57, pl. 4, fig. 4, 1901, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 212, 1909, *Tettigoniella.*
Osborn, Ohio Nat., ix, p. 462, 1909, *Tettigoniella.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 531, 1914, *Tettigoniella.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915, *Tettigoniella.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 21, 1916, *Tettigoniella.* [*Tettigonia.*
compta Fowler, Biol. Centr. Am., Homop., ii, p. 271, pl. 18, fig. 11, 1900,
Localities: N. C., Fla., Miss., Tenn., Mo., Texas. (Mexico.)

Genus **Kolla** Dist.
Orthotype *insignis* Dist.

Distant, Fauna Brit. Ind., Rhyn., iv, p. 223, 1908.
Distant, Ann. Mag. Nat. Hist., ser. 8, i, p. 529, 1908.

1859. **Kolla bifida** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 313, 1831; Compl. Writ., ii, p. 387,
Fitch, Homop. N. Y. St. Cab., p. 55, 1851, *Tettigonia.* [*Tettigonia.*

Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 11, pl. 1, fig. 11, 1854, *Tettigonia.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 27, 1887, *Tettigonia.*
Provancher, Pet. Faune Ent. Can., iii, p. 338, 1890, *Helochara.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Tettigonia.*
Van Duzee, Ent. News, v, p. 156, 1894, *Tettigonia.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 175, 1897, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 58, pl. 5, fig. 1, 1901, *Tettigonia.*
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904, *Tettigonia.*
Osborn, 20th Rept. N. Y. St. Ent., p. 509, 1905, *Tettigonia.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 66, 1907, *Tettigonia.*
Distant, Ann. Mag. Nat. Hist., ser. 8, i, p. 530, 1908, *Tettigonia.*
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910.
Osborn, U. S. Dept. Agr., Ent. Bul. 108, p. 63, 1912, *Tettigonia.*
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 99, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 19, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 22, 1916.
tenella Walker, List Homop., iii, p. 770, 1851, *Tettigonia.*
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Pa., N. C., Fla., Miss., Mo., Tenn., Neb., Kans

a. var. **fasciata** (Walk.)
Walker, List Homop., iii, p. 780, 1851, *Tettigonia.* [1900, *Tettigonia.*
fuscolinecella Fowler, Biol. Centr. Am., Homop., ii, p. 290, pl. 19, fig. 25,
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 60, 1907, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 212, 1909.
Osborn, Ohio Nat., ix, p. 461, 1909, *Tettigoniella.*
Localities: Fla. (West Indies, Mexico.)

1860. **Kolla geometrica** (Sign.)
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 12, pl. 1, fig. 12, 1854, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 59, pl. 5, fig. 2, 1901, *Tettigonia.*
Distant, Ann. Mag. Nat. Hist., ser. 8, i, p. 530, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 213, 1909.
Osborn, Ohio Nat., ix, p. 461, 1909, *Tettigoniella.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 23, 1916. [1900, *Tettigonia.*
psittacella Fowler, Biol. Centr. Am., Homop., ii, p. 290, pl. 19, fig. 26,
Localities: D. C., Fla., Ohio, Ky., Tenn., Ill., Mo., Ark., La. (Neotropical.)

1861. **Kolla hartii** (Ball)
Ball, Proc. Ia. Acad. Sci., viii, p. 61, pl. 5, fig. 4, 1901, *Tettigonia.*
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 213, 1909.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915, *Tettigoniella.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 20, 1916, *Tettigoniella.*
Localities: Pa., Fla., Miss., Ohio, Ill., Tenn., Mo., Texas, N. Mex.

1862. **Kolla similis** (Walk.)
Walker, List Homop., iii, p. 769, 1851, *Tettigonia.*
Van Duzee, Ent. News, v, p. 155, 1894, *Tettigonia.*

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 60, 1907, *Tettigonia.*
Osborn, Ohio Nat., ix, p. 462, 1909, *Tettigoniella.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 213, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.

†*herbida* Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 18, pl. 2, fig. 4, 1854,
Stål, Rio Jan. Hemip., ii, p. 42, 1862, *Tettigonia.* [*Tettigonia.*
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 77, *Tettigonia.*
Distant, Ann. Mag. Nat. Hist., ser. 8, i, p. 529, 1908; ii, p. 62, 1908.

†*communis* Walker, List Homop., Suppl., p. 235, 1858, *Helochara.*

prolixa Fowler, Biol. Centr. Am., Homop., ii, p. 275, pl. 18, fig. 18, 1900,
Localities: Fla. (West Indies, Mexico.) [*Tettigonia.*

Genus **Helochara** Fitch
Haplotype *communis* Fitch

Fitch, Homop. N. Y. St. Cab., p. 56, 1851.
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 730, 1854.
Provancher, Pet. Faune Ent. Can., iii, p. 267, 1889.
Ball, Proc. Ia. Acad. Sci., viii, p. 62, 1901.

1863. **Helochara communis** Fitch

Fitch, Homop. N. Y. St. Cab., p. 56, 1851.
Walker, List Homop., iv, p. 1156, 1852, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 730, pl. 21, fig. 17, 1854.
Walker, List Homop., Suppl., p. 235, 1858.
Packard, Guide to Study of Ins., p. 532, 1869.
Packard, Am. Nat., ii, p. 53, 1876.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 460, 1877.
Van Duzee, Can. Ent., xxi, p. 9, 1899.
Provancher, Pet. Faune Ent. Can., iii, p. 268, 1889.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892.
Slosson, Ent. News, v, p. 5, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894.
Van Duzee, Ent. News, v, p. 155, 1894.
Gillette and Baker, Hemip. Colo., p. 82, 1895.
Ball, Proc. Ia. Acad. Sci., viii, p. 62, pl. 6, fig. 1, 1901.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 512, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 62, 1908 (excl. synon.).
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 60, fig. 5, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 19, 1915.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 103, 1915.
De Long, Tenn. St. Bd. Ent., Bul. 17, p. 24, 1916.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
herbida Walker, List Homop., iii, p. 769, 1851, *Tettigonia.*
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., N. C., Ga., Tenn., Texas, Colo., N. Mex., Ariz., Calif.

Genus **Graphocephala** Van D.
Orthotype *coccinea* (Forst.)

Van Duzee, Check List Hemip., p. 66, 1916.
†*Diedrocephala* Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 22, 1877 [(as subgenus).
Provancher, Pet. Faune Ent. Can., iii, p. 265, 1889.
Ball, Proc. Ia. Acad. Sci., viii, p. 63, 1901.

1864. **Graphocephala coccinea** (Forst.)

Forster, Nov. Spec. Ins., p. 69, 1771, *Cicada.*
Harris *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Tettigonia.*
Rathvon *in* Mombert's Hist. Lanc. Co., Pa., p. 581, 1869, *Tettigonia.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 357, 1876, *Diedrocephala.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 23, 1887, *Diedrocephala.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Diedrocephala.*
Provancher, Pet. Faune Ent. Can., iii, p. 267, 1889, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 22, p. 28, 1890, *Diedrocephala.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892, *Diedrocephala.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Diedrocephala.*
Van Duzee, Ent. News, v, p. 155, 1894, *Diedrocephala.*
Slosson, Ent. News, vi, p. 321, 1895, *Diedrocephala.*
Ball, Proc. Ia. Acad. Sci., iv, p. 177, 1897, *Diedrocephala.*
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904, *Diedrocephala.*
Osborn, 20th Rept. N. Y. St. Ent., p. 510, 1905, *Diedrocephala.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905, *Diedrocephala.*
Van Duzee, Can. Ent., xxxviii, p. 409, 1906, *Diedrocephala.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907, *Diedrocephala.*
Van Duzee, Can. Ent., xl, p. 157, 1908, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 213, 1909, *Diedrocephala.*
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 60, 1912, *Diedrocephala.*
Van Duzee, Can. Ent., xliv, p. 327, 1912, *Diedrocephala.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914, *Diedrocephala.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915, *Diedrocephala.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 19, 1915, *Diedrocephala.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 101, 1915, *Diedrocephala.*
De Long, Tenn. St. Bd. Ent., Bul. 17, p. 25, 1916, *Diedrocephala.*
Gibson, Can. Ent., xlviii, p. 178, 1916, *Diedrocephala.* [ii, p. 386, *Tettigonia.*
quadrivittata Say, Jl. Acad. Nat. Sci. Phila., vi, p. 312, 1831; Compl. Writ.,
Harris *in* Hitchcock's Geol. Mass., edn. 2, p. 580, 1835, *Tettigonia.*
Fitch, Homop. N. Y. St. Cab., p. 55, 1851, *Proconia.*
Walker, List Homop., iv, p. 1155, 1852, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 348, pl. 11, fig. 11, 1854, [*Tettigonia* (*Diedrocephala*).
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 450, 1856, *Aulacizes.*
Rathvon *in* Mombert, Hist. Lanc. Co., Pa., p. 581, 1869, *Tettigonia.*
Packard, Guide to Study of Ins., p. 532, 1869, *Proconia.*

Glover, U. S. Dept. Agr., Rept. for 1876, p. 33, *Diedrocephala.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Diedrocephala* (var.).
Fowler, Biol. Centr. Am., Homop., ii, p. 276, pl. 18, fig. 20, 1900, *Tetti-*
picta Walker, List Homop., iii, p. 758, 1851, *Tettigonia.* [*gonia.*
?idonea Fowler, Biol. Centr. Am., Homop., ii, p. 276, pl. 18, fig. 18, 1900,
[*Tettigonia.*

a. var. **teliformis** (Walk.)
Walker, List Homop., iii, p. 764, 1851, *Tettigonia.*
Van Duzee, Ent. News, v, p. 155, 1894, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909, *Diedrocephala.*
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., N. C., Fla., Ohio, Tenn., Mo., Kans., Okl., Texas.

1865. **Graphocephala versuta** (Say)
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 311, 1831; Compl. Writ., ii, p. 386, *Tetti-*
Walker, List Homop., iv, p. 1157, 1852, *Tettigonia.* [*gonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 348, pl. 11, fig. 10, 1854, *Tettigonia.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 22, 1887, *Diedrocephala.*
Van Duzee, Psyche, v, p. 390, 1890, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 22, p. 27, 1890, *Diedrocephala.*
Weed, Can. Ent., xxiv, p. 278, 1892, *Diedrocephala.*
Ball, Proc. Ia. Acad. Sci., viii, p. 64, pl. 6, fig. 3, 1901, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909, *Diedrocephala.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914, *Diedrocephala.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915, *Diedrocephala.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 20, 1915, *Diedrocephala.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 25, 1916, *Diedrocephala.*
Gibson, Can. Ent., xlviii, p. 177, 1916, *Diedrocephala.* [*Tettigonia.*
redacta Fowler, Biol. Centr. Am., Homop., ii, p. 276, pl. 18, fig. 21, 1900,
Localities: Md., D. C., Va., N. C., Ga., Fla., Ala., Miss., La., Ohio, Ill., Ky., Tenn., Mo., Texas.

a. var. **lineiceps** Spin.
Spinola *in* Gay, Hist. de Chili, Zool., vii, p. 283, 1852, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 786, 1855, *Tettigonia.*
Walker, List Homop., Suppl., p. 354, 1858, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 65, pl. 6, fig. 4, 1901, *Diedrocephala.*
Osborn, Ohio Nat., ix, p. 463, 1909, *Diedrocephala.*
Localities: Texas. (Neotropical.)

1866. **Graphocephala cythura** (Bak.)
Baker, Psyche, viii, p. 268, 1898, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 66, pl. 6, fig. 5, 1901, *Tettigonia* (as var.).
Localities: Ariz., Calif.

Genus **Draeculacephala** Ball
Orthotype *mollipes* (Say)

Ball, Proc. Ia. Acad. Sci., viii, p. 66, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 60, 1908.
Van Duzee, Ent. News, xxvi, p. 176, 1915. (Key.)
†*Diedrocephala* Uhler, Stand. Nat. Hist., ii, p. 249, 1884.

1867. **Draeculacephala floridana** Ball
Ball, Proc. Ia. Acad. Sci., viii, p. 72, pl. 6, fig. 6, 1901.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Ent. News, xxvi, p. 177, 1915.
Localities: Ga., Fla.

1868. **Draeculacephala 7-guttata** (Walk.)
Walker, List Homop., iii, p. 773, 1851, 1851, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 727, pl. 21, fig. 15, 1854, *Diedro-*
Walker, List Homop., Suppl., p. 223, 1858, *Diedrocephala.* [*cephala.*
Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.*
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 61, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 20, 1915.
Van Duzee, Ent. News, xxvi, p. 177, 1915.
Localities: N. C., Ga., Fla., Miss.

1869. **Draeculacephala balli** Van D.
Van Duzee, Ent. News, xxvi, p. 177, 1915. [of *mollipes*).
†*7-guttata* Ball, Proc. Ia. Acad. Sci., viii, p. 69, pl. 7, fig. 2, 1901 (as var.
Localities: Ga., Fla., Miss.

1870. **Draeculacephala acuta** (Walk.)
Walker, List Homop., iii, p. 773, 1851, *Tettigonia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Ent. News, xxvi, p. 177, 1915.
Locality: Fla.

1871. **Draeculacephala bradleyi** Van D.
Van Duzee, Ent. News, xxvi, pp. 178, 180, 1915.
Locality: Ga.

1872. **Draeculacephala producta** (Walk.)
Walker, List Homop., iii, p. 772, 1851, *Tettigonia.*
Locality: Fla.

1873. **Draeculacephala angulifera** (Walk.)
Walker, List Homop., iii, p. 771, 1851, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 727, pl. 21, fig. 14, 1854, *Diedro-*
Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.* [*cephala.*
Ball, Proc. Ia. Acad. Sci., viii, p. 69, pl. 7, fig. 4, 1901.
Osborn, 20th Rept. N. Y. St. Ent., p. 511, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 61, 1908.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
Van Duzee, Ent. News, xxvi, p. 178, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 102, 1915; Bul. 248, p. 78, 1916.
Diedrocephala sp. Southwick, Science, xix, p. 318, 1892.
Localities: N. Fndl., Quebec, Ont., Me., N. Y., Pa., Ohio, Ia., Kans., Colo., Utah, Wash., Br. Col.

1874. **Draeculacephala mollipes** (Say)
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 312, 1831; Compl. Writ., ii, p. 386, [*Tettigonia.*
Harris *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Tettigonia* (*mellipes*).
Fitch, Homop. N. Y. St. Cab., p. 56, 1851, *Aulacizes.*

Walker, List Homop., iv, p. 1156, 1852, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 726, pl. 21, figs. 12, 13, 1854, *Diedro-*
Walker, List Homop., Suppl., p. 233, 1858, *Diedrocephala.* [*cephala.*
Stål, Stet. Ent. Zeit., xxv, p. 77, 1864, *Tettigonia.*
Packard, Guide to Study of Ins., p. 532, 1869, *Aulacizes.*
Glover, U. S. Dept. Agr., Rept. for 1876, p. 32, *Aulacizes.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876; iii, p. 459, 1877, *Diedro-*
Uhler, Stand. Nat. Hist., ii, p. 249, 1884, *Diedrocephala.* [*cephala.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 24, 1887, *Tettigonia.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Diedrocephala.*
Van Duzee, Psyche, v, p. 390, 1890, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 22, p. 26, 1890, *Diedrocephala.*
Osborn, Rept. Ia. St. Agr. Soc. for 1892, p. 687, *Diedrocephala.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892, *Diedrocephala.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Diedrocephala.*
Weed, Can. Ent., xxv, p. 278, 1892, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 30, p. 46, 1893, *Diedrocephala.*
Cockerell, Trans. Am. Ent. Soc., xx, p. 365, 1893, *Diedrocephala.*
Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Diedrocephala.*
Fowler, Biol. Centr. Am., Homop., ii, p. 273, pl. 18, fig. 15, 1900, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 67, pl. 7, fig. 1, 1901.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 511, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Distant, Ann. Mag. Nat. Hist., ser. 8, ii, p. 61, 1908.
Van Duzee, Can. Ent., xl, p. 157, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Osborn, Ohio Nat., ix, p. 463, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 56, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Swezey, Proc. Haw. Ent. Soc., iii, pp. 4, 9, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 103, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 20, 1915.
Van Duzee, Ent. News, xxvi, p. 178, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 27, 1916.
Gibson, Can. Ent., xlviii, p. 177, 1916.

?innotata Walker, List Homop., iii, p. 770, 1851, *Tettigonia.*
Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.*

antica Walker, List Homop., iii, p. 771, 1851, *Tettigonia.*
Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.*

viridis Provancher, Nat. Can., iv, p. 352, 1872, *Acopsis.*

†*viridis* Provancher, Pet. Faune Ent. Can., iii, p. 268, 1889, *Acopsis.*

Localities: Quebec, Ont., Me., N. Y., N. J., Pa., D. C., N. C., Fla., Ohio, Tenn., Mo., Kans., Colo., Ariz., N. Mex., Calif., Br. Col. (Hawaiian Isds.)

1875. **Draculacephala minor** (Walk.)

Walker, List Homop., iii, p. 772, 1851, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 69, pl. 7, fig. 3, 1901.
Osborn, Ohio Nat., ix, p. 463, 1909.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Ent. News, xxvi, p. 178, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 27, 1916.
†*producta* Van Duzee, Ent. News, v, p. 156, 1894, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Diedrocephala.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 279, 1894, *Diedrocephala.*
Localities: Fla., Colo., Calif., Wash.

1876. **Draeculacephala inscripta** Van D.

Van Duzee, Ent. News, xxvi, pp. 178, 180, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 26, 1916.
Localities: Ga., Tenn.

1877. **Draeculacephala manitobiana** Ball

Ball, Proc. Ia. Acad. Sci., viii, p. 70, pl. 7, fig. 5, 1901.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Van Duzee, Ent. News, xxvi, p. 178, 1915.
Localities: Ont., Manitoba, Colo.

1878. **Draeculacephala crassicornis** Van D.

Van Duzee, Ent. News, xxvi, pp. 178, 181, 1915.
Localities: Calif., Oreg., Wash.

1879. **Draeculacephala noveboracensis**

Fitch, Homop. N. Y. St. Cab., p. 56, 1851, *Aulacizes.*
Walker, List Homop., iv, p. 1158, 1852, *Tettigonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 19, pl. 2, fig. 5, 1854, *Diedrocephala.*
Walker, List Homop., Suppl., p. 192, 1858, *Tettigonia.* [*cephala.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876; iii, p. 459, 1877, *Diedro-*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 24, 1887, *Tettigonia.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Diedrocephala.*
Van Duzee, Psyche, v, p. 390, 1890, *Diedrocephala.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 22, p. 27, 1890, *Diedrocephala.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892, *Diedrocephala.*
Southwick, Science, xix, p. 318, 1892, *Diedrocephala.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Diedrocephala.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894, *Diedrocephala.*
Van Duzee, Ent. News, v, p. 155, 1894, *Diedrocephala.*
Gillette and Baker, Hemip. Colo., p. 82, 1895, *Diedrocephala.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 177, 1897, *Diedrocephala.*
Ball, Proc. Ia. Acad. Sci., viii, p. 71, pl. 7, fig. 6, 1901.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 511, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906; xl, p. 157, 1908.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 59, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.

Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 101, 1915.
Van Duzee, Ent. News, xxvi, p. 179, 1915.
prasina Walker, List Homop., iii, p. 768, 1851, *Tettigonia.*
†*mollipes* Provancher, Pet. Faune Ent. Can., iii, p. 266, 1889, *Diedrocephala.*
Localities: Quebec, Ont., Me., Vt., Mass., N. H., N. Y., Pa., Md., Ia., Mo., Neb., Colo., Idaho, Wash., Br. Col., Vanc. Isd.

1880. **Draeculacephala gillettei** Ball

Ball, Proc. Ia. Acad. Sci., viii, p. 72, 1901.
Van Duzee, Ent. News, xxvi, p. 179, 1915.
Locality: Colo.

1881. **Draeculacephala reticulata** (Sign.)

Signoret, Ann. Soc. Ent. Fr., ser. 3, ii, p. 22, pl. 2, fig. 10, 1854, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 73, pl. 6, fig. 8, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Osborn, Ohio Nat., ix, p. 463, 1909.
Osborn, U. S. Dept. Agr., Div. Ent. Bul. 108, p. 52, 1912.
Barber, Bul. Am. Nat. Hist., xxxiii, p. 532, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 20, 1915.
Van Duzee, Ent. News, xxvi, p. 179, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 27, 1916, *Diedrocephala.*
flaviceps Riley, Am. Ent., iii, p. 78, 1880, *Diedrocephala.*
Johnson and Fox, Ent. News, iii, p. 60, 1892, *Tettigonia.*
Howard, Insect Life, vi, p. 267, 1894, *Diedrocephala.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914, *Diedrocephala.*
diducta Fowler, Biol. Centr. Am., Homop., ii, p. 274, pl. 18, fig. 17, 1900, [*Tettigonia.*
Localities: Va., N. C., S. C., Ga., Fla., Ala., Miss., La., Mo., Ky., Tenn., Neb., Texas, Ariz., Calif. (West Indies, Mexico.)
[*Tettigonia coerulenta* Sign. is not from our territory. *See* Ball, Proc. Ia. [Acad. Sci., viii, p. 50, 1901]

Genus **Pagaronia** Ball
Haplotype *13-punctata* Ball

Ball, Can. Ent., xxxiv, p. 19, 1902.

1882. **Pagaronia 13-punctata** Ball

Ball, Can. Ent., xxxiv, p. 20, 1902.

a. var. **triunata** Ball
Ball, Can. Ent., xxxiv, p. 20, 1902.

b. var. **octopunctata** Kirk.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 70, 1909.
Locality: Calif.

1883. **Pagaronia tripunctata** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 55, 1851, *Tettigonia.*
Walker, List Homop., iv, p. 1158, 1852, *Tettigonia.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 28, 1887, *Tettigonia.*
Provancher, Pet. Faune Ent. Can., iii, p. 263, 1889, *Tettigonia.*

Van Duzee, Ent. News, v, p. 157, 1894, *Tettigonia.*
Ball, Proc. Ia. Acad. Sci., viii, p. 60, pl. 5, fig. 3, 1901, *Tettigonia.*
Wirtner, Ann. Carn. Mus., iii, p. 219, 1904, *Tettigonia.*
Osborn, 20th Rept. N. Y. St. Ent., p. 510, 1905, *Tettigonia.*
Smith, Cat. Ins. N. J., edn. 3, p. 100, 1910, *Tettigoniella.*
Van Duzee, Can. Ent., xliv, p. 327, 1912, *Kolla.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 72, 1915, *Kolla.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 19, 1915, *Kolla.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 24, 1916, *Kolla.*
Van Duzee, Check List Hemip., p. 67, 1916.

Localities: Ont., N. H., N. Y., N. J., Pa., Md., D. C., N. C., Miss., Ohio, Ill., Tenn., Mo.

Genus **Evacanthus** L. & S.
Logotype *interruptus* Linn.

Le Peletier and Serville, Encyc. Méth., x, p. 612, 1825.
Germar, Silb. Rev. Ent., i, p. 180, 1833.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 116, 1840 (names *interruptus* [type).
Blanchard, Hist. des Ins., Hémip., p. 193, 1840.
Amyot and Serville, Hémip., p. 574, 1843.
Spinola, Tavola Sinot., p. 57, 1850.
Provancher, Pet. Faune Ent. Can., iii, p. 269, 1889, *Evacantha.*
‡*Euacanthus* Burmeister, Handb. d. Ent., ii, p. 116, 1835.
Herrich-Schaeffer, Nomen. Ent., i, p. 67, 1835.
Flor, Rhyn. Livl., ii, p. 147, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 502, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 17, 72, 1868.
Stål, Hemip. Fabr., ii, p. 61, 1869.
Sahlberg, Cicad., p. 106, 1871.
Fieber, Cicad. d'Eur., i, p. 109, 1875; ii, pl. 10, 1876.
Mayr, Tabellen, p. 29, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 13.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 281, 1894, *Eucanthus.*
Melichar, Cicad. Mitt. Eur., p. 178, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 113, 1896.
Oshanin, Verz. Palae. Hemip., i, p. 53, 1906.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 227, 1908.
Van Duzee, Check List Hemip., p. 67, 1916, *Eucanthus.*

1884. **Evacanthus acuminatus** (Fabr.)

Fabricius, Ent. Syst., iv, p. 36, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 76, 1803, *Cicada.*
Germar, Mag. d. Ent., iv, p. 72, 1821, *Tettigonia.*
Burmeister, Handb. d. Ent., ii, p. 116, 1835.
Herrich-Schaeffer, Nomen. Ent., i, p. 67, 1835.
Blanchard, Hist. des Ins., Hémip., p. 193, 1840.
Flor, Rhyn. Livl., ii, p. 152, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 73, 1868.
Sahlberg, Cicad., p. 108, 1871.
Melichar, Cicad. Mitt. Eur., p. 179, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 113, pl. 13, fig. 10, 1896.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 182, pl. 19, fig. 3, 1897.

Ball, Ia. Agr. Exp. Sta., Bul. 34, p. 618, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Ashmead, Harriman Alaska Exped., viii, p. 131, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 512, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Kirkaldy, Can. Ent., xli, p. 32, 1909.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 104, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
interstincta Fallén, Hemip. Suec., Cicad., p. 29, 1826, *Cicada.*
Kirkaldy, Can. Ent., xli, p. 32, 1909.
germari Curtis, Ent. Mag., i, p. 192, 1833, *Amblycephalus.*
Curtis, Brit. Ent., xii, pl. 572, 1835, *Amblycephalus.*
orbitalis Fitch, Homop. N. Y. St. Cab., p. 57, 1851.
Walker, List Homop., iv, p. 1159, 1852, *Tettigonia.*
Van Duzee, Can. Ent., xxi, p. 9, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 270, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 196, 1894.
Slosson, Ent. News, xiii, p. 321, 1902.
Localities: Quebec, Ont., Me., N. H., N. Y., Pa., D. C., N. C., Mich., Ia., Wash., Vanc. Isd.

1885. **Evacanthus interruptus** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 438, 1758, *Cicada.*
Geoffroy, Hist. Abreg. des Ins., i, p. 419, No. 9, 1762, *Cicada.*
De Geer, Mémoires, iii, p. 183, No. 7, pl. 12, fig. 6, 1773, *Cicada.*
Fabricius, Syst. Ent., p. 685, 1775, *Cicada.*
Goeze, Ent. Beytr., ii, p. 139, 1778, *Cicada.*
Fabricius, Spec. Ins., ii, p. 325, 1781, *Cicada.*
Retzius, Genera et Spec. Ins., p. 82, 1783, *Cicada.*
Fabricius, Mant. Ins., ii, p. 270, 1787, *Cicada.*
Gmelin, *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2107, 1788, *Cicada.*
Fabricius, Ent. Syst., iv, p. 36, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 76, 1803, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 28, 1826, *Cicada.*
Burmeister, Hand. d. Ent., ii, p. 116, 1835.
Herrich-Schaeffer, Nomen. Ent., i, p. 67, 1835.
Blanchard, Hist. des Ins., Hémip., p. 193, 1840.
Flor, Rhyn. Livl., ii, p. 149, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 72, 1868.
Sahlberg, Cicad. p. 107, 1871.
Melichar, Cicad. Mitt. Eur., p. 178, pl. 8, fig. 29, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 113, pl. 13, fig. 9, 1896.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 183, 1897.
Localities: N. C., S. C. (Europe.)

Genus **Bathysmatophorus** Sahlb.
Haplotype *reuteri* Sahlb.

Sahlberg, Cicad., p. 109, 1871.
Fieber, Cicad. d'Eur., i, p. 108, 1875; ii, pl. 10, 1876.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 81, 1907.

1886. **Bathysmatophorus uhleri** Bak.

Baker, Psyche, viii, p. 260, 1898.
Locality: **Calif.**

Genus **Errhomenellus** Put.
Haplotype *brachypterus* Fieb.

Puton, Cat. Palae. Hemip., edn. 3, p. 79, 1886 (n.n. for *Errhomenus* Fieb.).
Oshanin, Verz. Palae. Hemip., ii, p. 97, 1906.
‖*Errhomenus* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 501, 1866.
Fieber, Cicad. d'Eur., i, p. 104, 1875; ii, pl. 10, 1876.
Mayr, Tabellen, p. 28, 1884.
Melichar, Cicad. Mitt. Eur., p. 185, 1896.

1887. **Errhomenellus montanus** Bak.
Baker, Psyche, viii, p. 262, 1898.
Locality: Colo.

1888. **Errhomenellus lineatus** Bak.
Baker, Psyche, viii, p. 261, 1898.
Locality: Wash.

1889. **Errhomenellus oregonensis** Bak.
Baker, Psyche, viii, p. 262, 1898.
Locality: Ore.

1890. **Errhomenellus friscanus** Ball
Ball, Can. Ent., xli, p. 182, 1909.
Locality: Calif.

1891. **Errhomenellus irroratus Ball**
Ball, Can. Ent., xxxiv, p. 18, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Locality: Calif.

1892. **Errhomenellus maculatus** (G. & B.)
Gillette and Baker, Hemip. Colo., p. 83, 1895, *Acocephalus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Colo., Calif.

1893. **Errhomenellus aridus** Ball
Ball, Can. Ent., xli, p. 183, 1909.
Locality: Nev.

Subfamily GYPONINAE (Stål)

Stål, Of. Vet. Akad. Forh., xxvii, p. 736, 1870, *Gyponina* (part).
Berg, Hemip. Argent., p. 257, 1879, *Gyponina.*
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, pp. 14, 29, 1887, *Gyponina.*
Ashmead *in* Smith, Cat. Ins. N. J., edn. 1, p. 443, 1890.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 297, 1892; xxi, p. 281, 1894, *Gyponina.*
Fowler, Biol. Centr. Am., Homop., ii, p. 293, 1903.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 240, 1908.
Scarides Amyot and Serville, Hémip., pp. lxiv, 576, 1843.
Dohrn, Cat. Hemip., p. 92, 1859, *Scaridae.* [iii, p. 80, 1907.
Penthimiinae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 307, 1906;

Genus **Penthimia** Germ.
Haplotype *nigra* (Goez.)

Germar, Mag. d. Ent., iv, p. 46, 1821.
Gray *in* Griffith's Animal Kingd., xv, p. 226, 1832.

Germar, Silb. Rev. Ent., i, p. 179, 1833.
Burmeister, Handb. d. Ent., ii, pp. 105, 115, 1835.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840.
Amyot and Serville, Hémip., p. 580, 1843.
Walker, Cat. Homop., iii, p. 840, 1851.
Flor, Rhyn. Livl., ii, p. 141, 1861.
Stål, Hemip. Afr., iv, p. 107, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 14, 1868.
Fieber, Cicad. d'Eur., i, p. 105, 1875; ii, pl. 10, 1876.
Mayr, Tabellen, p. 28, 1884.
Uhler, Stand. Nat. Hist., ii, p. 246, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 270, 1889.
Melichar, Cicad. Mitt. Eur., p. 181, 1896.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 241, 1908.

1894. **Penthimia americana** Fitch

Fitch, Homop. N. Y. St. Cab., p. 57, 1851.
Uhler, Stand. Nat. Hist., ii, p. 246, 1884.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Gillette and Baker, Hemip. Colo., p. 83, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 514, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 100, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 29, 1916.
vicaria Walker, List Homop., iii, p. 841, 1851.
picta Provancher, Nat. Can., iv, p. 352, 1872.
Provancher, Pet. Faune Ent. Can., iii, p. 270, 1889.
Localities: Quebec, Ont., Mass., Me., N. Y., N. J., Pa., N. C., Ga., Fla., Mich., Ill., Tenn., Minn., Dak., Mont., Colo.

Genus **Zinneca** A. & S.
Haplotype *flavidorsum* A. & S.

Amyot and Serville, Hémip., p. 579, 1843.

1895. **Zinneca flavidorsum** A. & S.

Amyot and Serville, Hémip., p. 579, pl. 11, fig. 2, 1843.
Locality: Pa.

Genus **Gypona** Germ.
Haplotype *glauca* (Fabr.)

Germar, Mag. d. Ent., iv, p. 73, 1821.
Germar, Silbermann, Rev. Ent., i, p. 180, 1833.
Burmeister, Handb. d. Ent., ii, pp. 105, 114, 1835.
Burmeister, Genera Ins., i, pl. 16, 1838.
Blanchard, Hist. Nat. des Ins., Hémip., p. 195, 1840.
Amyot and Serville, Hémip., p. 579, 1843.
Stål, Rio Jan. Hemip., ii, p. 45, 1858.
Stål, Of. Vet. Akad. Forh., xix, p. 495, 1862.

Stål, Stet. Ent. Zeit., xxv, p. 81, 1864.
Stål, Hemip. Fabr., ii, p. 84, 1869.
Spångberg, Spec. Gyp.; Bih. Vet. Akad. Handl., v, No. 3, p. 5, 1878.
Berg, Hemip. Argent., p. 258, 1879.
Woodworth, Bul. Ill., St. Lab. Nat. Hist., iii, p. 29, 1887.
Provancher, Pet. Faune Ent. Can., iii, p. 269, 1889.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 30, 1916.

1896. **Gypona rugosa** Spångb.

Spångberg, Spec. Gyponae, p. 6, 1878.
Gillette and Baker, Hemip. Colo., p. 83, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 513, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 30, 1916.
Gypona sp. Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 215, 1909.
Localities: Ont., N. Y., N. J., Pa., Fla., Miss., Ohio, Ky., Tenn., Colo.(?), Utah(?). (Mexico.)

1897. **Gypona 8-lineata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 340, 1824; Compl. Writ., ii, p. 257, *Tetti-*
Harris *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Tettigonia.* [*gonia.*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 804, 1855, *Tettigonia.*
Walker, List Homop., Suppl., p. 349, 1858, *Tettigonia.*
Fitch, Trans. N. Y. St. Agr. Soc., xxvii, p. 893, 1867.
Rathvon *in* Mombert, Hist. Lanc. Co., Pa., p. 551, 1869, *Tettigonia.*
Van Duzee, Psyche, v, p. 390, 1890.
Southwick, Science, xix, p. 318, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 512, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
?Gibson and Cogan, Ohio Jl. Sci., xvi, p. 73, 1915.
?Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 31, 1916.
8-lineata var. Spångberg, Spec. Gyponae, p. 7, 1878.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Localities: Ont., N. Y., N. J., Pa., N. C., Tenn., Mo., Kans.

1898. **Gypona cana** Burm.

Burmeister, Genera Ins., i, pl. 16, No. 10, 1838.
Spångberg, Ent. Tidskr., ii, p. 23, 1881.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 214, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Gibson and Cogan, Ohio Jl. Sci., p. 74, 1915. [Writ., ii, p. 257, *Tettigonia.*
8-lineata var. *a*, Say, Jl. Acad. Nat. Sci. Phila., iv, p. 340, 1824; Compl.
flavilineata Spångberg, Spec. Gyponae, p. 8, 1878.
†*octolineata* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876; iii, p. 460,
Uhler, Stand. Nat. Hist., ii, p. 247, 1884. [1877; iv, p. 510, 1878.

Harrington, Ottawa Nat., vi, p. 32, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892.
Gillette and Baker, Hemip. Colo., p. 83, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 179, 1897 (part).
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 62, 1912 (part).
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 105, 1915 (part).
†*quebecensis* Provancher, Pet. Faune Ent. Can., iii, p. 269, 1889.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., N. C., Fla., Ohio, Kans., Mo., Colo., Utah, Texas, Calif.

1899. **Gypona quebecensis** (Prov.)

Provancher, Nat. Can., iv, p. 352, 1872, *Tettigonia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906; xl, p. 157, 1908; xliv, p. 327, 1912.
cana Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 106, 1915.
Localities: Quebec, Ont., Me., N. Y., Pa.

1900. **Gypona pruinosa** Spångb.

Spångberg, Spec. Gyponae, p. 9, 1878.
Localities: Ga., Texas.

1901. **Gypona scrupulosa** Spångb.

Spångberg, Spec. Gyponae, p. 9, 1878.
Locality: S. C.

1902. **Gypona ramosa** Kirk.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 60, 1907.
Locality: Ariz.

1903. **Gypona olivacea** Spångb.

Spångberg, Ent. Tidskr., i, p. 24, 1881.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Localities: "Am. Bor.," N. J.

1904. **Gypona striata** Burm.

Burmeister, Genera Ins., i, pl. 16, No. 9, 1838.
Walker, List Homop., iii, p. 839, 1851.
Spångberg, Spec. Gyponae, p. 10, 1878.
Slosson, Ent. News, xiii, p. 8, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 215, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
flavilineata Fitch, Homop. N. Y. St. Cab., p. 57, 1851.
Walker, List Homop., iv, p. 1159, 1852; Suppl., p. 256, 1858.
Fitch, Trans. N. Y. St. Agr. Soc., xxvii, p. 893, 1868.
Van Duzee, Can. Ent., xxi, p. 9, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Southwick, Science, xix, p. 318, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Gillette and Baker, Hemip. Colo., p. 83, 1895.

Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Van Duzee, Can. Ent., xxxviii, p. 409, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bull., 238, p. 105, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 31, 1916.
†*8-lineata* Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 30, 1887.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 179, 1897 (part).
Localities: Ont., Me., Mass., N. Y., N. J., Pa., D. C., N. C., Fla., Tenn., Wisc., Ia., Kans., Mo., Colo., Texas, Calif.

1905. **Gypona verticalis** Stål

Stål, Stet. Ent. Zeit., xxv, p. 84, 1864.
Spångberg, Spec. Gyponae, p. 75, 1878.
Spångberg, Ent. Tidskr., ii, p. 28, 1881.
Fowler, Biol. Centr. Am., Homop., ii, p. 302, pl. 20, fig. 18, 1903.
mexicana Spångberg, Spec. Gyponae, p. 18, 1878.
Localities: Utah. (Mexico.)

1906. **Gypona melanota** Spångb.

Spångberg, Spec. Gyponae, p. 19, 1878.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 513, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
nigra Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 31, 1887.
Localities: N. Y., N. J., Ga., Ill., N. Mex.

1907. **Gypona bimaculata** Spångb.

Spångberg, Spec. Gyponae, p. 23, 1878.
Fowler, Biol. Centr. Am., Homop., ii, p. 297, pl. 20, fig. 4, 1903.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 62, 1912.
Localities: N. Y., N. J., Pa., Ohio, Ind., Ill., Minn., Ia., Colo., Utah.

1908. **Gypona unicolor** Stål

Stål, Stet. Ent. Zeit., xxv, p. 84, 1864.
Spångberg, Spec. Gyponae, p. 25, 1878.
Fowler, Biol. Centr. Am., Homop., ii, p. 297, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 61, 1907.
Localities: Colo., Calif. (West Indies, Mexico.)

1909. **Gypona dorsalis** Spångb.

Spångberg, Spec. Gyponae, p. 30, 1878.
Fowler, Biol. Centr. Am., Homop., ii, p. 301, 1903.
?Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Localities: Kans., N. Mex. (Mexico.)

1910. **Gypona bipunctulata** Woodw.

Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 30, 1887.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 181, 1897 (excel. synon.).
Osborn, 20th Rept. N. Y. St. Ent., p. 513, 1905.
Localities: N. Y., Ill., Kans., Ia.

1911. **Gypona angulata** Spångb.

Spångberg, Spec. Gyponae, p. 32, 1878.
Townsend, Can. Ent., xxiv, p. 196, 1892.
Gillette and Baker, Hemip. Colo., p. 83, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Colo., Utah, Texas, Calif.

1912. **Gypona tenella** Spångb.

Spångberg, Spec. Gyponae, p. 34, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 215, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: N. C., Ga., Fla.

1913. **Gypona geminata** Osb.

Osborn, 20th Rept. N. Y. St. Ent., p. 513, 1905.
Locality: N. Y.

1914. **Gypona meditabunda** Spångb.

Spångberg, Spec. Gyponae, p. 39, 1878.
Locality: Texas.

1915. **Gypona citrina** Spångb.

Spångberg, Spec. Gyponae, p. 45, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 216, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: Fla., Texas.

1916. **Gypona woodworthi** Van D.

Van Duzee, Can. Ent., xlvi, p. 389, 1915 (n.n. for *bimaculata* Woodw.).
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
‖*bimaculata* Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 32, 1887.
[*colon* Fitch MS] Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892.
Localities: N. C., Ill., Ia.

1917. **Gypona pectoralis** Spångb.

Spångberg, Spec. Gyponae, p. 46, 1878.
Spångberg, Ent. Tidskr., i, p. 33, 1881.
Wirtner, Ann. Carn. Mus., iii, p. 220, 1904.
Van Duzee, Ottawa Nat., xxvi, p. 68, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
albimarginata Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 31, 1887.
Harrington, Ottawa Nat., vi, p. 32, 1892.
hullensis Provancher, Pet. Faune Ent. Can., iii, p. 269, 1889.
Localities: Quebec, Ont., N. Y., Pa., Mich., Ill., Mo.

1918. **Gypona pauperata** Spångb.

Spångberg, Ent. Tidskr., i, p. 33, 1881.
Locality: "Am. Sept."

1919. **Gypona limbatipennis** Spångb.

Spångberg, Spec. Gyponae, p. 47, 1878.
Locality: Ill.

1920. **Gypona puncticollis** Spångb.
Spångberg, Spec. Gyponae, p. 54, 1878.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 30, 1916.
Localities: Tenn., Texas.

1921. **Gypona quadri-notata** Spångb.
Spångberg, Spec. Gyponae, p. 56, 1878.
Localities: Ga., Texas.

1922. **Gypona albosignata** Uhl.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 74.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: Ont., Mass., N. Y., Ga.

1923. **Gypona scarlatina** Fitch
Fitch, Homop. N. Y. St. Cab., p. 57, 1851.
Walker, List Homop., iv, p. 1159, 1852.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 513, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: N. H., Mass., N. Y., N. J., N. C., Ga., Mich.

1924. **Gypona irrorella** Spångb.
Spångberg, Spec. Gyponae, p. 60, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 216, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: Fla., Texas.

1925. **Gypona sanguinolenta** Spångb.
Spångberg, Spec. Gyponae, p. 63, 1878.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 216, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Localities: Ga., Fla., Texas.

1926. **Gypona modesta** Spångb.
Spångberg, Ent. Tidskr., iv, p. 107, 1883.
Locality: Ill.

1927. **Gypona grisea** Spångb.
Spångberg, Spec. Gyponae, p. 64, 1878.
Locality: Ga.

1928. **Gypona fraterna** Spångb.
Spångberg, Spec. Gyponae, p. 72, 1878.
Locality: Ga.

1929. **Gypona cinerea** Uhl.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 460, 1877.
Woodworth, Bul. Ill. St. Lab. Nat. Hist., iii, p. 32, 1887.
Localities: Mass., Conn., Ill., Kans., Colo., Utah.

[**Gypona columba** Fitch MS]
Uhler, Proc. Bost. Soc. Nat. Hist., xii, p. 327, 1869.
Locality: ?

Genus **Xerophloea** Germ.
Haplotype *grisea* Germ. = *viridis* Fabr.

Germar, Zeit. f. Ent., i, p. 190, 1839.
Burmeister, Genera Ins., i, pl. 8, 1840.
Walker, List. Homop., iii, p. 840, 1851.
Berg, Hemip. Argent., p. 257, 1879.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 28, 1916.
Mesodicus Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 501, 1866.
Fieber, Cicad. d'Eur., i, p. 104, 1875.
Mayr, Tabellen, p. 28, 1884.
Parapholis Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 461, 1877.

1930. **Xerophloea viridis** (Fabr.)

Fabricius, Ent. Syst., iv, p. 50, 1794, *Cercopis.*
Fabricius, Syst. Rhyng., p. 94, 1803, *Cercopis.*
Stål, Hemip. Fabr., ii, p. 59, 1869.
Berg, Ann. Mus. Natl. Buenos Aires, iv, p. 202, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 179, pl. 19, fig. 1, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 512, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 60, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 532, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 28, 1916.
grisea Germar, Zeits. f. Ent., i, p. 190, 1839.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 73.
virescens Stål, Of. Vet. Akad. Forh., xi, p. 253, 1854.
peltata Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 461, 1877, *Parapholis.*
Uhler, Stand. Nat. Hist., ii, p. 248, 1884.
Gillette and Baker, Hemip. Colo., p. 82, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Localities: Mass., N. Y., N. J., Md., Ga., Fla., Miss., Tenn., Neb., Kans., Colo., Utah, Texas, Calif., Wash., Ore.

1931. **Xerophloea major** Bak.

Baker, Psyche, viii, p. 285, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 512, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 101, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 29, 1916.
Localities: N. Y., N. J., Va., Tenn.

Subfamily JASSINAE (A. & S.)

Amyot and Serville, Hémip., p. 581, 1843, *Jassides* (Groupe).
Spinola, Tavola Sinot., pp. 56, 58, 1850, *Jassoideae.*
Walker, List Homop., iii, p. 843, 1851, *Jassides* (part).
Stål, Of. Vet. Akad. Forh., xxvii, p. 735, 1870, *Jassida* (includes *Gyponini*).
Sahlberg, Cicad., p. 70, 1871, *Jassides* (includes *Bythoscopinae*).
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876, *Jassina.*
Uhler, Bul U. S. Geol. Geog. Surv., iii, p. 462, 1877.
Berg, Hemip. Argent., p. 263, 1879, *Jassina.*
Edwards, Ent. Mo. Mag., xx, p. 149, 1883. (Key to British genera).

Osborn, Ent. Am., i, p. 26, 1885, *Jassidae* (includes *Bythoscopinae*).
Ashmead, Ent. Am., iv, p. 67, 1888, *Jassida*.
Provancher, Pet. Faune Ent. Can., iii, p. 271, 1889, *Jassides*.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 297, 1892, *Jassidae*. (Key to Am. [genera.)
Matsumura, Termes. Fuzet., xxv, p. 355, 1902.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, pp. 296, 324, 1906.
Distant, Trans. Linn. Soc. Lond., Zool., xiii, p. 46, 1909.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 106, 1915. (Key.)

TRIBE *ACUCEPHALINI* (Dohrn)

Dohrn, Cat. Hemip., p. 84, 1859, *Acocephalidae*. (Family.)
Kirschbaum, Cicad. v. Wiesbd., p. 15, 1868, *Acocephalidae*. (Subfamily.)
Sahlberg, Cicad., pp. 72, 352, 1871, *Acocephalides*.
Fieber, Kat. Cicad. Eur., p. 10, 1872, *Acocephalidae*. (Subfamily.)
Mayr, Tabellen, p. 27, 1884, *Acocephalidae*. (Subfamily.)
Puton, Cat. Hémip. Palae., edn. 3, p. 79, 1886.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 45, *Acocephalidae*. (Family.)
Van Duzee, Trans. Am. Ent. Soc., xix, pp. 297, 298, 1892, *Acocephalina*. (Sub- [family.)
Matsumura, Schrift. Nat. Ges. Danzig, xi, p. 71, 1906, *Acocephalinae*. (Sub- [family.)
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 334, 1906, *Acocephalinae*. (Sub- [family.)
Distant, Fauna Brit. Ind., Rhyn., iv, pp. 158, 265, 1908, *Acocephalinae*. [(Subfamily.)
Van Duzee, Check List Hemip., p. 68, 1916.

Genus **Stroggylocephalus** Flor
Haplotype *agrestis* (Fall.)

Flor, Rhyn. Livl., ii, p. 210, 1861.
Van Duzee, Check List Hemip., p. 68, 1916.
‡*Strongylocephalus* Kirschbaum, Cicad. v. Wiesbad., p. 74, 1868.
Sahlberg, Cicad., pp. 72, 352, 1871.
Fieber, Cicad. d'Eur., i, p. 111, 1875; ii, pl. 11, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pp. 50, 89, 1879.
Mayr, Tabellen, p. 29, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 17.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892.
Melichar, Cicad. Mitt. Eur., p. 188, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 117, 1896.

1932. **Stroggylocephalus agrestis** (Fall.)

Fallén, Acta Holm, xxvii, p. 23, 1806, *Cicada*.
Fallén, Hemip. Suec., Cicad., p. 36, 1829, *Cicada*.
Burmeister, Genera Ins., i, pl. 12, 1838, *Selenocephalus*.
Flor, Rhyn. Livl., ii, p. 210, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 74, 1868.
?Sahlberg, Cicad., p. 353, 1871.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 90, pl. 2, fig. 18, 1879.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 18.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Melichar, Cicad. Mitt. Eur., p. 189, pl. 9, figs. 19–21, 1896.

Edwards, Hemip. Homop. Brit. Isds., p. 118, pl. 14, fig. 3, 1896.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 64, 1900.
Slosson, Ent. News, xiii, p. 321, 1902.
Osborn, 20th Rept. N. Y. St. Ent., p. 514, 1905.
Slosson, Ent. News, xvii, p. 326, 1906. [p. 258, *Tettigonia.*

mixta Say, Jl. Acad. Nat. Sci. Phila., iv, p. 341, 1825; Compl. Writ., ii,
Localities: N. H., Conn., N. Y., Mich., Ia., Colo. (Europe.)

Genus **Acucephalus** Germ.
Logotype *costatus* Germ. = *nervosus* Sch.

Germar, Silb. Rev. Ent., i, p. 181, 1833 (for *Cercopis striata* Fabr. and *Cicada* [*subrustica* Fall.).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 116, 1840 (names *trifasciatus*
Van Duzee, Check List Hemip., p. 68, 1916. [Geof. (Fabr.) pseudotype).
Aphrodes Curtis, Ent. Mag., i, p. 195, 1833 (haplotype *testudo* Curt. = [*albifrons* Linn.).
Curtis, Brit. Ent., xiv, pl. 633, 1837 (names *maculipes* Curt. pseudotype).
‡*Acocephalus* Burmeister, Handb. d. Ent., ii, pp. 105, 111, 1835.
Burmeister, Genera Ins., i, pl. 11, 1838 (names *costatus* Germ. type).
Amyot and Serville, Hémip., p. 582, 1843.
Kirschbaum, Cicad. v. Wiesbd., pp. 15, 73, 74, 1868.
Sahlberg, Cicad., pp. 72, 355, 1871.
Fieber, Cicad. d'Eur., i, p. 111, 1875; ii, pl. 11, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pp. 50, 61, 1879.
Berg, Hemip. Argent., p. 264, 1879.
Mayr, Tabellen, p. 30, 1884.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 19.
Provancher, Pet. Faune Ent. Can., iii, pp. 273, 282, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892.
Melichar, Cicad. Mitt. Eur., p. 190, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 119, 1896.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 64, 1900.
Pholetaera Zetterstedt, Ins. Lapp., column 288, 1840 (type *rustica* Fabr.).
Anoscopus Kirschbaum, Cicad. v. Wiesbd., p. 74, 1868 (type *histrionicus*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 81, 1879. [Fabr.).

1933. **Acucephalus nervosus** (Schrank)

Schrank, Enum. Ins. Aust., p. 252, 1781, *Cicada.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 62, pl. 1, fig. 6, 1879.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Edwards, Hemip. Homop. Brit. Isds., p. 62, pl. 14, fig. 4, 1896.
Osborn, 20th Rept. N. Y. St. Ent., p. 514, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Aphrodes.*
Van Duzee, Check List Hemip., p. 68, 1916.
striata Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis.*
Germar, Silb. Revue Ent., i, p. 181, 1833.
Walker, List Homop., iii, p. 848, 1851.
Sahlberg, Cicad., p. 356, 1871.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 288, 1894.
Melichar, Cicad. Mitt. Eur., p. 191, pl. 9, fig. 22, 1896.
Osborn, 20th Rept. N. Y. St. Ent., p. 514, 1905.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 107, 1915; Bul. 248, p. 73, 1916.
transversa Fabricius, Syst. Rhyng., p. 96, 1803, *Cercopis.*
striatella Fabricius, Syst. Rhyng., p. 98, 1803, *Cercopis.*
rustica Fabricius, Syst. Rhyng., p. 97, 1803, *Cercopis.*
Herrich–Schaeffer, Fauna Germ., cxxiv, p. 15.
Flor, Rhyn. Livl., ii, p. 199, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 75, 1868.
costata Panzer, Fauna Germ., lxi, p. 14, 1799, *Cicada.*
fasciatus Curtis, Brit. Ent., xiii, pl. 620, 1836.
sparsus Curtis, Brit. Ent., xiii, pl. 620, 1836.
cardui Curtis, Brit. Ent., xiii, pl. 620, 1836.
obscurus Curtis, Brit. Ent., xiii, pl. 620, 1836.
rugosus Curtis, Brit. Ent., xiii, pl. 620, 1836.
unicolor Curtis, Brit. Ent., xiii, pl. 620, 1836.
pallidus Curtis, Brit. Ent., xiii, pl. 620, 1836.
bicinctus Curtis, Brit. Ent., xiii, pl. 620, 1836.
pulverulenta Curtis, Brit. Ent., xiv, pl. 633, 1837, *Aphrodes.*
adustus Hardy, Tyneside Field Club, i, p. 429, 1846.
meratii Guerin, ?
Localities: Ont., Me., N. Y. (Palaearctic.)

1934. **Acucephalus fusco-fasciatus** (Goeze)

Goeze, Ent. Beytr., ii, p. 161, no. 32, 1778, *Cicada.*
Bergroth, Bul. Soc. Ent. Fr. for 1890, p. lxvi.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Aphrodes.*
Cicada no. 22, Geoffroy, Hist. Abreg. des Ins., i, p. 425, 1762.
brunneo bifasciatus Geoffroy, Hist. Abreg. des Ins., edn. 2, p. 425, no. 22, [1764, *Cicada* (not binominal).
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 82, 1879.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 65, 1900.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
transversalis Geoffroy in Fourcroy, Ent. Paris., p. 190, 1785, *Cicada.*
bistriata Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2116, 1788, [*Cicada.*
serratulae Fabricius, Ent. Syst., iv, p. 41, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 54, 1803, *Flata.*
Herrich–Schaeffer, Fauna Germ., cxxx, p. 5, *Jassus.*
Kirschbaum, Cicad. v. Wiesbd., p. 78, 1868.
Sahlberg, Cicad., p. 362, 1871.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pl. 2, fig. 15, 1879.
Melichar, Cicad. Mitt. Eur., p. 196, 1896.
Localities: N. J. (Europe.)

1935. **Acucephalus flavostrigatus** (Donov.)

Donovan, Brit. Ins., viii, p. 28, pl. 288, fig. 2, 1799, *Cicada.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 85, 1879.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 65, 1900.
Oshanin, Verz. Palae. Hemip., ii, p. 94, 1906.
rivularis Germar, Mag. d. Ent., iv, p. 89, 1821, *Jassus.*
Flor, Rhyn. Livl., ii, p. 205, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 77, 1868.
Sahlberg, Cicad., p. 363, 1871.
Melichar, Cicad. Mitt. Eur., p. 197, 1896.

Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Aphrodes.*
§*flavo-lineatus* Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pl. 2, fig. 17, 1879.
§*flavo-striatus* Edwards, Hemip. Homop. Brit. Isds., p. 124, pl. 14, fig. 11,
Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905. [1896.
Localities: Vt., N. Y. (Europe.)

1936. **Acucephalus albifrons** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 437, 1758, *Cicada.*
Linnaeus, Fauna Suec., new edn., p. 241, sp. 884, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, i, p. 709, 1767, *Cicada.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2103, 1788, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 25, 1826, *Cicada.*
Flor, Rhyn. Livl., ii, p. 203, 1861.
Sahlberg, Cicad., p. 360, 1871.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 76, pl. 2, fig. 14, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 122, pl. 14, figs. 6–8, 1896.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 65, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905.
Slosson, Ent. News, xvii, p. 326, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Aphrodes.*
Van Duzee, Can. Ent., xliv, p. 328, 1912. [history).
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 108, 1915; Bul. 248, p. 69, 1916 (life
nitidula, Donovan, Brit. Ins., viii, p. 87, pl. 288, fig. 1, 1799, *Cicada.*
concinna Curtis, Brit. Ent., xiv, pl. 633, 1837, *Aphrodes.*
testudo Curtis, Brit. Ent., xiv, pl. 633, 1837, *Aphrodes.*
nigropunctata Zetterstedt, Ins. Lapp., column 288, 1840, *Pholetaera.*
Sahlberg, Cicad., p. 360, 1871.
livens Zetterstedt, Ins. Lapp., column 288, 1840, *Pholetaera.*
interruptus Scott, Ent. Mo. Mag., ix, p. 264, 1873.
polystolus Scott, Ent. Mo. Mag., ix, p. 265, 1873.
circumflexus Provancher, Pet. Faune Ent. Can., iii, p. 282, 1889.
†*mixtus* Van Duzee, Psyche, v, p. 390, 1890.
Southwick, Science, xix, p. 318, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 197, 1894.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 288, 1894.

a. var. **fuliginosus** Sign.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 79, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

b. var. **arcuatus** Kirschb.
Kirschbaum, Cicad. v. Wiesbd., p. 75, 1868.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 80, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

c. var. **subrusticus** (Fall.)
Fallén, Acta Holm for 1806, p. 10, *Cicada.*
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

d. var. **apicalis** Sign.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 80, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

e. var. **albiger** (Germ.)
Germar, Mag. d. Ent., iv, p. 88, 1821, *Jassus.*
Germar, Fauna Eur., fasc. xvii, p. 17, 1834, *Jassus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 80, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

f. var. **confusus** (Kirschb.)
Kirschbaum, Cicad. v. Wiesbd., p. 78, 1868, *Anoscopus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 80, 1879.
Melichar, Cicad. Mitt. Eur., p. 195, 1896.

g. var. **argus** Rey
Rey, Revue d'Ent., x, p. 245, 1891.
[The varieties have not been worked out in this country.]
Localities: Ont., Me., N. H., N. Y., Pa., D. C., Mich., Wisc. (Europe.)

1937. **Acucephalus placidus** (Prov.)
Provancher, Pet. Faune Ent. Can., iii, p. 280, 1889, *Selenocephalus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Locality: Quebec(?).

Genus **Memnonia** Ball
Orthotype *consobrina* Ball
Ball, Rept. Ia. Acad. Sci. for 1899, p. 66, 1900.

1938. **Memnonia consobrina** Ball
Ball, Rept. Ia. Acad. Sci. for 1899, p. 66, pl. 5, figs. 6–10, 1900.
Localities: Neb., Colo.

1939. **Memnonia fraterna** Ball
Ball, Rept. Ia. Acad. Sci. for 1899, p. 67, 1900.
Localities: Neb., Colo.

Genus **Xestocephalus** Van D.
Logotype *pulicarius* Van D.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 197, 214, 1894 (described).
Matsumura, Termes. Fuzet., xxv, p. 402, 1902.
Melichar, Homop. Fauna Ceyl., p. 205, 1903.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 51, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, pp. 265, 348, 1908 (names *pulicarius* type).
Van Duzee, Can. Ent., xli, p. 384, 1909 (cites *pulicarius* as type).

1940. **Xestocephalus pulicarius** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 197, 215, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 284, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 62, 1907; ix, p. 216, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Melichar, Notes from Leyden Mus., xxxvi, p. 139, 1913.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 21, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 109, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 35, 1916.
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., N. C., Fla., Miss., Ohio, Tenn., Mo., Kans., Ia., Utah. (West Indies.)

1941. **Xestocephalus superbus** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 339, 1890, *Deltocephalus.*
Van Duzee, Can. Ent., xliv, p. 329, 1912.
fulvocapitatus Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 197, 215, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 109, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 35, 1916.
Localities: Quebec, Ont., Me., N. Y., Pa., Ohio, Tenn.

1942. **Xestocephalus tessellatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 216, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 35, 1916.
Localities: Pa., N. C., Fla., Miss., Tenn., Mo., Texas.

1943. **Xestocephalus coronatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 184, pl. 19, fig. 2, 1897.
Locality: Ia.

1944. **Xestocephalus nigrifrons** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 109, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 34, 1916.
Localities: Me., Tenn.

1945. **Xestocephalus brunneus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 62, 1907.
Localities: Mass., R. I., N. Y., Pa.

Genus **Nionia** Ball
Orthotype *palmeri* (Van D.)

Ball, Proc. Biol. Soc. Wash., xxviii, p. 165, 1915.
†*Goniagnathus* Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 33, 1916.

1946. **Nionia palmeri** (Van D.)

Van Duzee, Can. Ent., xxiii, p. 171, 1891, *Goniagnathus.*
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904, *Goniagnathus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 529, 1905, *Goniagnathus.*
Osborn, Ohio Nat., v, p. 274, 1905, *Goniagnathus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Goniagnathus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915, *Goniagnathus.*

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 33, 1916, *Goniagnathus.*
Ball, Proc. Biol. Soc. Wash., xxviii, p. 166, 1915 (as type of *Nionia*).
Localities: N. Y., N. J., Pa., N. C., Ohio, Tenn.

TRIBE *JASSINI* (Dohrn)

Dohrn, Cat. Hemip., p. 86, 1859, *Jassidae.*
Kirschbaum, Cicad. v. Wiesbd., p. 15, 1868, *Jassidae.*
Sahlberg, Cicad., p. 70, 1871, *Jassides.*
Mayr, Tabellen, p. 30, 1884, *Jassidae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 81, 1886.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 45, *Jassidae.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 297, 1892, *Jassina.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, pp. 296, 324, 1906, *Jassinae.*

DIVISION *DORYDIARIA* (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xix, p. 288, 1892, *Dorydini.* (Tribe.)
Van Duzee, Check List Hemip., p. 68, 1915.
Cephalelini Kirkaldy, Haw. S. P. A., Exp. St. Bul., iii, p. 72, 1907.
Hecalusaria Distant, Fauna Brit. Ind., Rhyn., iv, p. 273, 1908.
Distant, Trans. Linn. Soc. Lond., Zool., xiii, p. 46, 1909.

Genus **Dorycephalus** Kusch.
Haplotype *baeri* Kusch.

Kuschakewitch, Horae Soc. Ent. Ross., iv, p. 102, pl. 2, 1866.
Fieber, Cicad. d'Eur., i, p. 114, 1875; ii, pl. 11, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pp. 50, 265, 1879.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 67, 1900.

1947. **Dorycephalus platyrhynchus** Osb.

Osborn, Can. Ent., xxvi, p. 216, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 185, pl. 20, fig. 1, 1897.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 68, 1900.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 65, fig. 7, 1912.
Dorycephalus sp., Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Localities: Ia., Neb., Kans., Colo.

1948. **Dorycephalus vanduzei** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 74, pl. 6, fig. 2, 1898.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 68, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 216, 1909.
Localities: Fla., Neb., Kans., Colo.

Genus **Neoslossonia** Van D.
Orthotype *atra* Van D. = *putnami* (Osb.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 218, 1909.
Van Duzee, Can. Ent., xl, p. 384, 1909 (cites *putnami* as type).

1949. **Neoslossonia putnami** (Osb.)

Osborn, Proc. Dav. Acad. Sci., x, p. 163, 1907, *Dorycephalus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
atra Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 218, 1909.
Localities: Ga., Fla.

Genus **Hecalus** Stål
Logotype *paykulli* Stål

Stål, Ann. Soc. Ent. Fr., ser. 4, iv, p. 65, 1864.
Stål, Hemip. Afr., iv, p. 113, 1866.
Berg, Hemip. Argent., p. 273, 1879.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 266, 1879.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 273, 1908.
Glossocratus Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 502, 1866.
Fieber, Cicad. d'Eur., i, p. 116, 1875; ii, pl. 11, 1876.

1950. **Hecalus apicalis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 217, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Locality: Fla.

1951. **Hecalus bracteatus** Ball

Ball, Can. Ent., xxxiii, p. 4, 1901.
Locality: Colo.

1952. **Hecalus lineatus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 463, 1877, *Glossocratus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 267, pl. 7, fig. 25, 1879.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 188, pl. 20, fig. 2, 1897.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 68, 1900.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 64, fig. 6, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
♂*fenstratus* Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 464, 1877, *Glossocratus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 268, 1879; x, p. 42, pl. 1, [fig. 37, 1880.
Localities: Mass., N. Y., N. J., Mo., Kans., Ia., Neb., Minn., S. D., N. D., Colo.

Genus **Spangbergiella** Sign.
Haplotype *vulnerata* (Uhl.)

Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 273, 1879.

1953. **Spangbergiella vulnerata** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 464, 1877, *Glossocratus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 274, 1879.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884, *Spangbergia.*
Baker, Can. Ent., xxix, p. 157, 1897.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 68, 1900 (excl. synon.).
Osborn, 20th Rept. N. Y. St. Ent., p. 516, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 62, 1907; ix, p. 219, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 36, 1916.

lacertae Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pl. 8, fig. 29, 1879.
Localities: N. Y., N. J., N. C., Fla., Tenn., Ark., Texas.

1954. **Spangbergiella mexicana** Bak.

Baker, Can. Ent., xxix, p. 157, 1897.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Locality: Fla.

Genus **Parabolocratus** Fieb.
Haplotype *glaucescens* Fieb. (*sulcatus* in Fieber key)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, pp. 502, 513, 1866.
Fieber, Cicad. d'Eur, i, p. 117, 1875; ii, pl. 12, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 275, 1879; x, p. 41, 1880.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 70, 1900.

1955. **Parabolocratus viridis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 462, 1877, *Glossocratus.*
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 275, pl. 8, fig. 30, 1879.
Uhler, Stand. Nat. Hist., ii, p. 247, 1884.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 84, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 189, pl. 21, fig. 1, 1897.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 71, 1900.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 515, 1905.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 68, fig. 8, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 37, 1916. [*Gypona.*
[*reverta* Uhler MS] Hayden's Surv. Terr., Rept. for 1870, p. 472, 1872,
[*cyperacae* Fitch MS] Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, pp. 88, 275,
[1879, *Selenocephalus.*

a. var. **montanus** Ball

Ball, Rept. Ia. Acad. Sci. for 1899, p. 71, 1900.
Localities: Quebec, Ont., N. H., Mass., Conn., N. Y., N. J., Pa., Tenn., Ill., Ia., Mo., Mont., Colo., Calif.

1956. **Parabolocratus major** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 110, 1915.
Locality: Me.

1957. **Parabolocratus flavidus** Sign.

Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 276, pl. 8, fig. 31, 1879.
Ball, Rept. Ia. Acad. Sci. for 1899, p. 71, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 219, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 37, 1916.
Localities: N. C., Fla., Ala., Ia., Kans., Texas.

1958. **Parabolocratus brunneus** Ball

Ball, Rept. Ia. Acad. Sci. for 1899, p. 71, 1900.
Localities: Neb., Colo.

Genus **Dicyphonia** Ball
Orthotype *ramentosa* Ball

Ball, Rept. Ia. Acad. Sci. for 1899, p. 69, 1900.

1959. **Dicyphonia ramentosa** Ball

Ball, Rept. Ia. Acad. Sci. for 1899, p. 69, pl. 5, figs. 1–5, 1900 (misprinted [*pamentosa*).
Localities: Neb., Colo.

1960. **Dicyphonia ornata** (Bak.)

Baker, Can. Ent., xxxii, p. 49, 1900, *Platymetopius*.
Locality: Kans.

Genus **Cochlorhinus** Uhl.
Haplotype *pluto* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892.
Ball, Can. Ent., xxxiv, p. 53, 1902.

1961. **Cochlorhinus pluto** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 358, 1876.
Ball, Can. Ent., xxxiv, p. 54, pl. 2, fig. 1, 1902.
Locality: Calif.

Genus **Uhleriella** Ball
Orthotype *coquilletti* (Van. D.)

Ball, Can. Ent., xxxiv, p. 54, 1902.

1962. **Uhleriella coquilletti** (Van D.)

Van Duzee, Ent. Am., vi, p. 95, 1890, *Deltocephalus*.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1897, *Thamnotettix*.
Ball, Can. Ent., xxxiv, p. 55, pl. 2, fig. 2, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Locality: Calif.

1962½. **Uhleriella ziczac** Ball

Ball, Proc. Biol. Soc. Wash., xxviii, p. 166, 1915.
Locality: Calif.

1963. **Uhleriella stygica** Ball

Ball, Can. Ent., xxxiv, p. 55, pl. 2, fig. 3, 1902.
Locality: Calif.

1963½. **Uhleriella pasadena** Ball

Ball, Proc. Biol. Soc. Wash., xxviii, p. 166, 1915.
Locality: Calif.

1964. **Uhleriella signata** Ball

Ball, Can. Ent., xxxiv, p. 56, pl. 2, fig. 4, 1902.
Locality: Calif.

Genus **Drionia** Ball
Orthotype *nigra* Ball

Ball, Proc. Biol. Soc. Wash., xxviii, p. 167, 1915.

1964½. **Drionia nigra** Ball

Ball, Proc. Biol. Soc. Wash., xxviiii, p. 167, 1915.
Locality: Ore.

Genus **Huleria** Ball
Orthotype *4-punctata* Ball

Ball, Can. Ent., xxxiv, p. 57, 1902.

1965. **Huleria 4-punctata** Ball

Ball, Can. Ent., xxxiv, p. 58, pl. 2, fig. 5, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Locality: Calif.

DIVISION *DELTOCEPHALARIA* (Fieb.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 201, 1869, *Deltocephali.*
Van Duzee, Trans. Am. Ent. Soc., xix, pp. 298, 299, 1892, *Deltocephalini.*
Distant, Fauna Brit. Ind., Rhyn., iv, p. 371, 1908, *Deltocephalusaria.*

Genus **Aligia** Ball
Orthotype *jucunda* (Uhl.)

Ball, Proc. Dav. Acad. Sci., xii, pp. 31, 53, 75, 1907 (as subgenus of *Eutettix*).
Van Duzee, Check List Hemip., p. 69, 1916. [1894.
†*Allygus* Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892; xxi, p. 294,

1966. **Aligia inscripta** (Van D.)

Van Duzee, Ent. Am., vi, p. 92, 1890, *Allygus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 54, pl. 3, fig. 1, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Locality: Calif.

1967. **Aligia oculea** (Ball)

Ball, Can. Ent., xxxiii, p. 50, 1901, *Eutettix.*
Ball, Proc. Dav. Acad. Sci., xii, p. 53, 1907.
Locality: Colo.

1968. **Aligia jucunda** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 469, 1877, *Jassus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 97, note, 1898, *Paramesus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 55, pl. 3, fig. 2, 1907.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Md.(?), Colo., N. Mex., Texas, Ariz., Utah, Calif.

1969. **Aligia munda** (Ball)

Ball, Can. Ent., xxxiii, p. 48, 1901, *Eutettix.*
Ball, Proc. Dav. Acad. Sci., xii, p. 57, pl. 3, fig. 3, 1907.
Localities: Colo., N. Mex., Ariz.

1970. **Aligia modesta** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 98, 1898, *Eutettix.*
Ball, Proc. Dav. Acad. Sci., xii, p. 58, pl. 3, fig. 4, 1907.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
Localities: Pa., D. C., N. C., Ia.

1971. **Aligia manitou** (Ball)

Ball, Can. Ent., xxxiii, p. 49, 1901, *Eutettix.*
Ball, Proc. Dav. Acad. Sci., xii, p. 58, pl. 3, fig. 5, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907, *Eutettix.*
Localities: Colo., N. Mex.

Genus **Mesamia** Ball
Orthotype *nigridorsum* Ball

Ball, Proc. Dav. Acad. Sci., xii, pp. 31, 59, 75, 1907 (as subgenus). [1894.
†*Paramesus* Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892; xxi, p. 290,

1972. **Mesamia nigridorsum** Ball

Ball, Proc. Dav. Acad. Sci., xii, p. 60, pl. 3, fig. 6; pl. 4, fig. 6, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 68, 1916, *Eutettix.*
†*twiningi* Van Duzee, Trans. Am. Ent. Soc., xxi, p. 290, 1894, *Paramesus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907.
†*jucundus* Gillette and Baker, Hemip. Colo., p. 84, 1895, *Paramesus.*
Localities: N. J., Pa., N. C., Tenn., Ia., Dak., Kans., Colo., Utah.

1973. **Mesamia straminea** (Osb.)

Osborn, Proc. Ia. Acad. Sci., v, p. 241, 1898, *Paramesus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 62, pl. 3, fig. 7; pl. 4, fig. 7, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Localities: Ia., Dak., Neb., Kans., Colo., Utah, Calif.

1974. **Mesamia coloradensis** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 91, 1895, *Allygus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 63, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 66, 1907, *Paramesus.*
immaculatus Ball, Can. Ent., xxxvii, p. 211, 1905, *Paramesus.*

a. var. **visalia** Ball
Ball, Can. Ent., xlviii, p. 128, 1916.
Localities: La.(?), Colo., Utah, Calif. (Mexico.)

1975. **Mesamia vitellina** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 57, 1851, *Acocephalus.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Acocephalus.*
Van Duzee, Psyche, v, p. 390, 1890, *Selenocephalus.*
Southwick, Science, xix, p. 318, 1892, *Paramesus.*
Van Duzee *in* Lintner's 9th Rept. N. Y. St. Ent., p. 410, 1893, *Paramesus.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 290, 1894, *Paramesus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894, *Paramesus.*
Gillette and Baker, Hemip. Colo., p. 84, 1895, *Paramesus.*
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904, *Paramesus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 516, 1905, *Paramesus.*

Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905, *Paramesus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 67, pl. 4, fig. 2, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 139, 1915, *Eutettix.*
twiningi Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 511, 1878, *Jassus.*
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904, *Paramesus.*
furcatus Osborn, Can. Ent., xxxii, p. 285, 1900, *Paramesus.*
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., D. C., Mich., Manitoba, N. D., S. D., Ia., Neb., Colo., Utah, Wash., Br. Col., Vanc. Isd.

1976. **Mesamia palliolata** (Ball)

Ball, Can. Ent., xxxiv, p. 13, 1902, *Eutettix.*
Ball, Proc. Dav. Acad. Sci., xii, p. 69, pl. 3, fig. 9, 1907.
Locality: Texas.

1977. **Mesamia illumina** Ball

Ball, Can. Ent., xli, p. 80, 1909.
Locality: Ariz.

1978. **Mesamia(?) irrorellus** (Stål)

Stål, Freg. Eugen. Resa, Ins., p. 295, 1859, *Athysanus.*
Ball, Proc. Dav. Acad. Sci., xii, p. 70, 1907.
Locality: Calif.

Genus **Scaphoideus** Uhl.
Logotype *immistus* (Say)

Uhler, Trans. Md. Acad. Sci., i, p. 33, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 276, 1889.
Van Duzee, Ent. Am., vi, p. 52, 1890.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 187, 1900 (monograph).
Matsumura, Termes. Fuzet., xxv, p. 383, 1902.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 371, 1908.
Osborn, Ohio Nat., xi, p. 249, 1911.

1979. **Scaphoideus fasciatus** Osb.

Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 190, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 69, 1907.
Osborn, Ohio Nat., xi, p. 252, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Localities: N. J., Fla. (West Indies.)

1980. **Scaphoideus sanctus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 307, 1831; Compl. Writ., ii, p. 383,
Walker, List Homop., iv, p. 1164, 1852, *Jassus.* [*Jassus.*
Osborn, Ohio Nat., xi, p. 251, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 55, 1916.
picturatus Osborn, Proc. Ia. Acad. Sci., v, p. 243, 1898.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 193, 1900.
Localities: N. J., N. C., Ohio, Ky., Tenn., Ind., Ia., Ill., Mo.

1981. **Scaphoideus neglectus** Osb.

Osborn, Ohio Nat., xi, p. 252, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
†*sanctus* Van Duzee, Trans. Am. Ent. Soc., xxi, p. 300, 1894.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 191, 1900.
†*fasciatus* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 227, 1909.
Localities: Fla., Miss., Texas. (Mexico.)

1982. **Scaphoideus cruciatus** Osb.

Osborn, Ohio Nat., xi, p. 253, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
†*sanctus*(*?*) Osborn, 20th Rept. N. Y. St. Ent., p. 523, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 227, 1909.
Localities: N. Y., N. J., Fla.

1983. **Scaphoideus auronitens** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 277, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 194, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 524, 1905.
Osborn, Ohio Nat., xi, p. 254, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 115, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 56, 1916.
[*areatus* Harris MS] *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Jassus*.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 308, 1894.
Van Duzee, Can. Ent., xli, p. 383, 1909.
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., N. C., Fla., Ohio, Tenn., Ill.

1984. **Scaphoideus jucundus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 34, 1889.
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 195, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 524, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 227, 1909.
Osborn, Ohio Nat., xi, p. 254, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 114, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 56, 1916.
Localities: Ont., Me., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Tenn., Ia., Mo.

1985. **Scaphoideus unicolor** Osb.

Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 196, 1900 (as var. of *consors*).
Osborn, Ohio Nat., xi, p. 255, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 57, 1916.
Localities: Mass., N. Y., D. C., W. Va., Ga., Fla., Ala., Texas

1986. **Scaphoideus albonotatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 226, 1909.
Osborn, Ohio Nat., xi, p. 255, 1910.
§*albonotus* Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Locality: Fla.

1987. **Scaphoideus consors** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 36, 1889.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 196, 1900.
Osborn, 20th Rept. N. Y. St. Ent., p. 523, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 226, 1909.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Localities: N. Y., Pa., Md., D. C., N. C., Fla., Ohio, Colo., Utah, Texas.

1988. **Scaphoideus scalaris** Van D.

Van Duzee, Ent. Am., vi, p. 51, 1890.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 198, 1900.
Slosson, Ent. News, xiii, p. 321, 1902.
Osborn, 20th Rept. N. Y. St. Ent., p. 523, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Osborn, Ohio Nat., ix, p. 464, 1909; xi, p. 255, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 114, 1915.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 56, 1916.
Localities: Me., N. H., N. Y., Pa., Fla., Ohio, Tenn., Ia., Kans., Mo., Ariz., Calif., Wash. (Mexico, Centr. Am.)

1989. **Scaphoideus lobatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 199, 211, 1894.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 199, 1900.
Slosson, Ent. News, xiii, p. 321, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 524, 1905.
Osborn, Ohio Nat., xi, p. 256, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 114, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Localities: Me., N. H., N. Y., N. J., Pa., N. C., Ohio, Ia.

1990. **Scaphoideus ochraceus** Osb.

Osborn, Proc. Ia. Acad. Sci., v, p. 242, 1898.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 199, 1900.

Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 525, 1905.
Osborn, Ohio Nat., xi, p. 258, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 57, 1916.
Localities: N. H., N. Y., Pa., Tenn., Ia.

1991. **Scaphoideus productus** Osb.

Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 200, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, Ohio Nat., xi, p. 258, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 115, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Localities: Me., Mass., N. Y., Pa., N. C., Ky., Ia., Kans., Mo.

1992. **Scaphoideus carinatus** Osb.

Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 201, 1900.
Osborn, 20th Rept. N. Y. St. Ent., p. 525, 1905.
Osborn, Ohio Nat., xi, p. 258, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 115, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
Localities: Me., N. H., N. Y., N. J., N. C., Ohio.

1993. **Scaphoideus nigricans** Osb.

Osborn, Ohio Nat., xi, p. 258, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 59, 1916.
Localities: N. C., Tenn.

1994. **Scaphoideus intricatus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 34, 1889.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 202, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 525, 1905.
Osborn, Ohio Nat., xi, p. 258, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 58, 1916.
Localities: N. H., N. Y., N. J., Pa., Md., Va., Ohio, Ky., Tenn., Mich., Ia., Neb., Kans.

1995. **Scaphoideus luteolus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 210, 1894.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 203, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 524, 1905.
Osborn, Ohio Nat., xi, p. 259, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 116, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 58, 1916.
Localities: Me., N. Y., N. J., Pa., Ohio, Tenn., Ill., Ia.

1996. **Scaphoideus immistus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 306, 1831; Compl. Writ., ii, p. 382, *Jassus.*
Van Duzee, Can. Ent., xxi, p. 11, 1889, *Jassus.*
Uhler, Trans. Md. Acad. Sci., i, p. 33, 1889.

Provancher, Pet. Faune Ent. Can., iii, p. 276, 1890.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Gillette and Baker, Hemip. Colo., p. 94, 1895.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 204, 1900.
Slosson, Ent. News, xiii, p. 321, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 525, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xl, p. 158, 1908.
Osborn, Ohio Nat., xi, p. 259, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 116, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 58, 1916.

a. var. **minor** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 205, 1900.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 59, 1916.

b. var. **major** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 205, 1900.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 59, 1916.

c. var. **incisus** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 206, 1900.
Localities: Quebec, Ont., Me., N. H., Vt., Mass., N. Y., N. J., Pa., D. C., W. Va., N. C., Fla., Ala., Ohio, Tenn., Mich., Ill., Ia., Mo., Kans., Colo., Texas, Calif.

1997. **Scaphoideus melanotus** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 206, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, Ohio Nat., xi, p. 259, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 59, 1916.
Localities: Pa., Md., Tenn., Texas.

1998. **Scaphoideus obtusus** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 207, 1900.
?Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 225, 1909.
Osborn, Ohio Nat., xi, p. 260, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Localities: N. Y., Fla., Ill., Ia.

1999. **Scaphoideus cinerosus** Osb.
Osborn, Jl. Cinc. Soc. Nat. Hist., xix, p. 208, 1900.
Osborn, Ohio Nat., xi, p. 259, 1910.
Localities: Ill., Ia.

2000. **Scaphoideus opalinus** Osb.
Osborn, 20th Rept. N. Y. St. Ent., p. 525, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 226, 1909.

Osborn, Ohio Nat., xi, p. 260, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: N. Y., N. J., Fla.

2001. **Scaphoideus fumidus** Ball

Ball, Can. Ent., xxxiii, p. 8, 1901.
Osborn, Ohio Nat., xi, p. 254, 1910.
Localities: Colo., Ariz.

2002. **Scaphoideus bicolor** Ball

Ball, Ent. News, xx, p. 166, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Locality: Calif.

2003. **Scaphoideus blandus** Ball

Ball, Can. Ent., xxxiii, p. 7, 1901.
Osborn, Ohio Nat., xi, p. 256, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: Colo., Calif.

2004. **Scaphoideus pellucidus** Ball

Ball, Can. Ent., xli, p. 83, 1909.
Locality: Calif.

2005. **Scaphoideus catalinus** Ball

Ball, Can. Ent., xli, p. 82, 1909.
Locality: Ariz.

2006. **Scaphoideus scrupulosus** Ball

Ball, Can. Ent., xxxiv, p. 14, 1902.
Osborn, Ohio Nat., xi, p. 256, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.

a. var. **reductus** Ball

Ball, Can. Ent., xli, p. 84, 1909.
Locality: Calif.

2007. **Scaphoideus irroratus** Osb.

Osborn, Ohio Nat., xi, p. 257, 1910.
Locality: Calif.

Genus **Platymetopius** Burm.
Logotype *undatus* (DeG.)

Burmeister, Genera Ins., i, pl. 14, subgenus 4, 1838.
Flor, Rhyn. Livl., ii, p. 221, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 506, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 82, 146, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 201, 1869.
Sahlberg, Cicad., pp. 72, 295, 1871.
Fieber, Cicad. d'Eur., i, p. 124, 1875; ii, pl. 13, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, ix, p. 52, 1879.
Berg, Hemip. Argent., p. 272, 1879.

Mayr, Tabellen, p. 35, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, pp. 17, 26.
Provancher, Pet. Faune Ent. Can., iii, p. 274, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Melichar, Cicad. Mitt. Eur., p. 207, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 127, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 191, 1897.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 214, 1910 (monograph Am. species).
Proceps Mulsant and Rey, Ann. Soc. Linn. Lyons for 1855, p. 237.

2008. **Platymetopius hyalinus** Osb.

Osborn, Ent. News, xi, p. 501, 1900.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 218, 1910.
Localities: Pa., D. C.

2009. **Platymetopius modestus** Stål

Stål, Of. Vet. Akad. Forh., xi, p. 255, 1854.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 230, 1910.
Locality: "Carolina."

2010. **Platymetopius pyrops** (Crmb.)

Crumb, Ann. Ent. Soc. Am., viii, p. 191, 1915, *Deltocephalus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 53, 1916, *Deltocephalus.*
Locality: Tenn.

2011. **Platymetopius nigriviridis** Ball

Ball, Ent. News, xx, p. 163, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 218, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.

a. var. **dixianus** Ball

Ball, Ent. News, xx, p. 163, 1910.
Localities: Utah, Calif.

2012. **Platymetopius majestus** Ball

Ball, Ent. News, xx, p. 164, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 219, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Locality: Calif.

2013. **Platymetopius elegans** Van D.

Van Duzee, Ent. Am., vi, p. 94, 1890.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 219, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Locality: Calif.

2014. **Platymetopius acutus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 306, 1831; Compl. Writ., ii, p. 382, [*Jassus.*
Fitch, Homop. N. Y. St. Cab., p. 62, 1851, *Jassus.*
Walker, List Homop., iii, p. 894, 1851; iv, p. 1163, 1852, *Jassus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 473, 1877.
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 275, 1889.

Van Duzee, Psyche, v, p. 389, 1890.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Townsend, Can. Ent., xxiv, p. 197, 1892.
Davis, Mich. Agr. Exp. Sta., Bul. 102, p. 8, pl. 1, fig. 3, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 84, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 192, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xl, p. 157, 1908.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 219, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 69, fig. 9, 1912.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 111, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 39, 1916.

a. var. **dubius** Van D.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 220, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 40, 1916.
†*latus* Van Duzee, Can. Ent., xl, p. 157, 1908.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., N. J., Pa., N. C., Ohio, Tenn., Mo., Kans., Colo., Utah, Calif., Br. Col.

2015. **Platymetopius oregonensis** Bak.
Baker, Can. Ent., xxxii, p. 49, 1900.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 220, 1910.
Localities: Colo., N. Mex., Utah, Calif., Ore.

2016. **Platymetopius latus** Bak.
Baker, Can. Ent., xxxii, p. 50, 1900.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 221, 1910.
Localities: Quebec, Ont.

2017. **Platymetopius cuprescens** Osb.
Osborn, 20th Rept. N. Y. St. Ent., p. 517, 1905.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 221, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 112, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 40, 1916.
Localities: Quebec, Ont., Me., N. Y., N. C., Tenn., Colo., Utah.

2017½. **Platymetopius trilineatus** Ball
Ball, Ent. News, xxvii, p. 204, 1916.
Locality: Calif.

2018. **Platymetopius slossoni** Van D.

Van Duzee, Ann. Ent. Soc. Am., iii, p. 222, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Localities: Fla., Calif.

2019. **Platymetopius cinereus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 193, pl. 26, fig. 1, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 219, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 223, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 72, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 39, 1916.
Localities: N. C., Fla., Tenn., Ia., Neb., Kans., Ariz.

2020. **Platymetopius angustatus** Osb.

Osborn, 20th Rept. N. Y. St. Ent., p. 518, 1905.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 223, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 114, 1915.
Localities: N. Y., Mo.

2020½. **Platymetopius parvus** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 122, 1917.
Locality: S. C.

2021. **Platymetopius fulvus** Osb.

Osborn, 20th Rept. N. Y. St. Ent., p. 519, 1905.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 224, 1910.
Localities: N. Y., Pa., Ohio.

2022. **Platymetopius dorsalis** Ball

Ball, Ent. News, xx, p. 164, 1909 (as var. of *frontalis*).
Van Duzee, Ann. Ent. Soc. Am., iii, p. 224, 1910.
Locality: Kans.

2023. **Platymetopius frontalis** Van D.

Van Duzee, Can. Ent., xxii, p. 112, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 193, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 221, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 517, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 225, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 71, fig. 10, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 113, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 40, 1916.
Localities: Ont., Me., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Miss., Ohio, Tenn., Ill., Mo., Kans., Ia., Calif.

2024. **Platymetopius nasutus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 64, 1907.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 225, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 53, 1914.
Localities: Colo., Calif. (West Indies.)

2025. **Platymetopius loricatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 205, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 64, 1907; ix, p. 219, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 226, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Fla., Colo., Calif. (Mexico, Centr. Am.)

2026. **Platymetopius irroratus** Van D.

Van Duzee, Ann. Ent. Soc. Am., iii, p. 227, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Ariz., Calif. (Mexico.)

2027. **Platymetopius verecundus** Van D.

Van Duzee, Ann. Ent. Soc. Am., iii, p. 227, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
†*obscurus* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 219, 1909.
Localities: N. C., Fla.

2027¼. **Platymetopius carolinus** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 123, 1917.
Locality: S. C.

2027½. **Platymetopius abbreviatus** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 39, 1916.
Locality: Tenn.

2028. **Platymetopius scriptus** Ball

Ball, Ent. News, xx, p. 165, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 228, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 42, 1916.
Localities: Tenn., Kans.

2029. **Platymetopius magdalensis** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 275, 1889.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 113, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 41, 1916.
obscurus Osborn, Ohio Nat., v, p. 274, 1905.
Osborn, 20th Rept. N. Y. St. Ent., p. 518, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 219, 1909.
Van Duzee, Can. Ent., xl, p. 157, 1909.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 229, 1910.
Localities: Quebec, Ont., Me., Mass., N. Y., Pa., Ga., Fla., Ohio, Tenn.

2030. **Platymetopius brevis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 66, 1907.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 230, 1910.

a. var. **torridus** Ball

Ball, Ent. News, xxvii, p. 205, 1916.
Localities: Calif. (West Indies.)

2030¼. **Platymetopius compactus** Ball

Ball, Ent. News, xxvii, p. 176, 1916.
Locality: Calif.

2030½. **Platymetopius nigricollis** Ball

Ball, Ent. News, xxvii, p. 205, 1916.
Localities: Utah, Calif.

2031. **Platymetopius fuscifrons** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 206, 1894.
Van Duzee, Ann. Ent. Soc. Am., iii, p. 230, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
?DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 41, 1916.
abruptus Ball, Ent. News, xx, p. 165, 1909.
Localities: Tenn.(?), Ariz., Calif.

2031½. **Platymetopius bicolor** DeL.

DeLong, Tenn. St. Bd. Ent., Bul., 17, p. 38, 1916.
Locality: Tenn.

Genus **Deltocephalus** Burm.
Logotype *pulicarius* (Fall.)

Burmeister, Genera Ins., 1, pl. 14, subgen. 3, 1838.
Flor, Rhyn. Livl., ii, pp. 221, 223, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 506, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 82, 123, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 203, 1869.
Sahlberg, Cicad., pp. 72, 298, 1871.
Fieber, Cicad. d'Eur., i, p. 124, 1875; ii, pl. 13, 1876.
Berg, Hemip. Argent., p. 268, 1879.
Mayr, Tabellen, p. 35, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, pp. 33, 42.
Provancher, Pet. Faune Ent. Can., iii, pp. 273, 277, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Melichar, Cicad. Mitt. Eur., p. 214, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 144, 1896.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 195, 1897.
Matsumura, Termes. Fuzet., xxv, p. 390, 1902.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 56, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 380, 1908.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 42, 1916.

2032. **Deltocephalus productus** (Walk.)

Walker, List Homop., iii, p. 891, 1851, *Jassus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 77, 1898.

Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 116, 1915.
Localities: Nov. Scot., Me., Mo.

2033. **Deltocephalus bilineatus** G. & B.

Gillette and Baker, Hemip. Colo., p. 85, 1895.
Baker, Psyche, viii, p. 115, 1897.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 200, 1897.
Localities: N. H., Ia., Colo.

2033½. **Deltocephalus luteocephalus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 84, 1917.
Locality: Wis.

2034. **Deltocephalus imputans** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 75, 1898.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 43, 1916.
Localities: Tenn., Ia., Kans.

2035. **Deltocephalus areolatus** Ball

Ball, Can. Ent., xxxi, p. 188, 1899.
Osborn, 20th Rept. N. Y. St. Ent., p. 520, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915.
Localities: N. Y., N. J., D. C., Md., N. C., Kans., Ariz.

2036. **Deltocephalus albidus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 201, pl. 23, fig. 1, 1897.
Baker, Psyche, viii, p. 115, 1897.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Localities: Ia., Mo.

[2037, see No. 2042]

2038. **Deltocephalus slossoni** Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 119, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Locality: Fla.

2039. **Deltocephalus inflatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 202, pl. 22, fig. 2, 1897.
Baker, Psyche, viii, p. 115, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 220, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Localities: D. C., Fla., Ia., Kans., Colo.

2040. **Deltocephalus flexulosus** Ball

Ball, Can. Ent., xxxi, p. 189, 1899.
Localities: Kans., Colo.

2041. **Deltocephalus sandersi** Osb.

Osborn, Proc. Dav. Acad. Sci., x, p. 164, 1907.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 46, 1916.
Localities: Md., Va., Ga., Tenn.

2042. **Deltocephalus pictus** Osb.

Osborn, Proc. Dav. Acad. Sci., x, p. 165, 1907.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 44, 1916.
funabulus Crumb, Ann. Ent. Soc. Am., viii, p. 189, 1915.
Van Duzee, Check List Hemip., p. 70, No. 2037, 1916.
Localities: N. Y., Tenn.

2043. **Deltocephalus visendus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 189, 1915.
Locality: Fla.

2044. **Deltocephalus reflexus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 203, pl. 22, fig. 1, 1897.
Baker, Psyche, viii, p. 115, 1897.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 44, 1916.
Localities: N. C., Tenn., Ia., Kans., Colo.

2045. **Deltocephalus pectinatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 205, pl. 22, fig. 2, 1897.
Locality: Ia.

2046. **Deltocephalus fraternus** Ball

Ball, Can. Ent., xliii, p. 201, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Deltocephalus sp. Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 220, 1909.
Locality: Fla.

2047. **Deltocephalus mendosus** Ball

Ball, Can. Ent., xliii, p. 202, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Locality: Fla.

2048. **Deltocephalus abbreviatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 206, pl. 22, fig. 4, 1897.
Locality: Ia.

2049. **Deltocephalus stylatus** Ball

Ball, Can. Ent., xxxi, p. 190, 1899.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 45, 1916.
Localities: Tenn., Ia.

2050. **Deltocephalus grammicus** Ball

Ball, Can. Ent., xxxii, p. 204, 1900.
Localities: Neb., Colo.

2051. **Deltocephalus configuratus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 511, 1879.
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Slosson, Ent. News, v, p. 5, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 87, 1895.

Osborn and Ball, Ia. Agr. College, Exp. Sta. Bul. 34, p. 630, 1897.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 209, pl. 23, fig. 3, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 521, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 80, fig. 16, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 122, 1915.

Localities: Ont., Me., N. H., N. Y., Ohio, Ill., Ia., N. D., S. D., Wyo, Colo., Mont.

2052. **Deltocephalus ocellaris** (Fall.)

Fallén, Hemip. Suec., Cicad., p. 33, 1826, *Cicada.*
Flor, Rhyn. Livl., ii, p. 237, 1861, *Jassus.*
Kirschbaum, Cicad. v. Wiesbd., p. 141, 1868, *Jassus.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 205, pl. 5, fig. 9, 1869.
Sahlberg, Cicad., p. 310, 1871.
Melichar, Cicad. Mitt. Eur., p. 223, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 151, pl. 17, fig. 3, 1896.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 207, 1897.

Localities: Colo. (Europe.)

2053. **Deltocephalus sayi** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 61, 1851, *Amblycephalus.*
Walker, List Homop., iv, p. 1158, 1852, *Jassus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 511, 1878.
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 280, 1889.
Van Duzee, Psyche, v, p. 390, 1890.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Southwick, Science, xix, p. 288, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 88, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 207, pl. 23, fig. 2, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 519, 1905.
Van Duzee, Can. Ent., xl, p. 158, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 84, fig. 20, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 117, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 46, 1916.

Localities: Quebec, Ont., N. H., Me., Mass., N. Y., N. J., Pa., N. C., Miss., Ohio, Ky., Tenn., Ia., Kans., Mo., Colo., Dak.

2054. **Deltocephalus misellus** Ball

Ball, Can. Ent., xxxi, p. 191, 1899.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 117, 1915.

Localities: Me., Mo., Colo., Utah.

2055. **Deltocephalus weedi** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 306, 1892.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 216, pl. 25, fig. 2, 1897.
Baker, Psyche, viii, p. 116, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 220, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn., St. Bd. Ent., Bul. 17, p. 52, 1916.
Localities: Pa., N. C., Fla., Miss., Ohio, Tenn., Mo., Kans., Ia.

2055½. **Deltocephalus interruptus** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 51, 1916.
Locality: Tenn.

2056. **Deltocephalus micarius** Ball

Ball, Can. Ent., xliii, p. 203, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Locality: Fla.

2057. **Deltocephalus obtectus** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 78, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 521, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 220, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 118, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 53, 1916.
Localities: Me., Mass., N. Y., N. J., N. C., Fla., Ohio, Tenn., Mo., Ia.

2058. **Deltocephalus infumatus** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 118, 1915.
Locality: Me.

2059. **Deltocephalus compactus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 217, pl. 25, fig. 3, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 521, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 52, 1916.
Localities: N. Y., D. C., N. C., Tenn., Ia., Wash.

2059½. **Deltocephalus nigriventer** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 85, 1917.
Locality: Wis.

2060. **Deltocephalus vinnulus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 192, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 54, 1916.
Locality: Tenn.

2061. **Deltocephalus callidus** Ball

Ball, Can. Ent., xxxi, p. 306, 1899.
Locality: Wash.

2062. **Deltocephalus apicatus** Osb.

Osborn, Can. Ent., xxxii, p. 285, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 520, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 120, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 50, 1916.
Localities: Me., Vt., Mass., N. Y., N. J., Pa., Md., D. C., Ohio, Tenn.

2062½. **Deltocephalus fumidus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 86, 1917.
Locality: Wis.

2063. **Deltocephalus inimicus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 305, 1831; Compl. Writ., ii, p. 382, [*Jassus.*
Fitch, Homop., N. Y. St. Cab., p. 61, 1851, *Amblycephalus.*
Walker, List, Homop., iii, p. 895, 1851; iv, p. 1163, 1852, *Jassus.*
Walker, List Homop., iv, p. 1158, 1852, *Tettigonia.*
Forbes, 14th Rept. Ill. St. Ent., pp. 22, 67, 1884, *Jassus.*
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 278, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Osborn, Iowa Agr. Exp. Sta., Bul. 13, p. 99, 1891.
Osborn, Iowa St. Agr. Soc., Rept. for 1892, p. 687.
Osborn, Insect Life, v, p. 113, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Southwick, Science, xix, p. 288, 1892.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 30, p. 45, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Osborn and Ball., Proc. Ia. Acad. Sci., iv, p. 215, pl. 24, fig. 3, 1897.
Baker, Psyche, viii, p. 116, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 523, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xl, p. 158, 1908.
Howard, Insect Book, p. 245, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 72, fig. 11, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 123, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 51, 1916.
6-punctatus Provancher, Nat. Can., iv, p. 378, 1872, *Jassus.*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., Del., Md., Va., N. C., Ohio, Tenn., Mich., Ind., Ill., Ia., Kans., Mo., N. D., S. D., Minn., Colo., Mont., Idaho, Wash.

2064. **Deltocephalus arundineus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 191, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 47, 1916.
Locality: Tenn.

2065. **Deltocephalus flavicosta** Stål

Stål, Rio. Jan. Hemip., ii, p. 53, 1862.
Baker, Psyche, viii, p. 117, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 520, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 67, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
[*harrisi* Fitch MS], in collections.
flavocostatus Van Duzee, Can. Ent., xxiv, p. 116, 1892.
Weed, Can. Ent., xxiv, p. 279, 1892.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 217, 1897.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 49, 1916.
retrorsus Uhler, Proc. Zool. Soc. Lond. for 1895, p. 78.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
[§*retroversus* Uhl. MS] Smith, Cat. Ins. N. J., edn. 2, p. 95, 1900.
Localities: Conn., N. Y., N. J., Pa., D. C., Md., N. C., Ga., Fla., Miss., Tenn., Ia., Mo., Kans. (Neotropical.)

2066. **Deltocephalus signatifrons** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 305, 1892.
Gillette and Baker, Hemip. Colo., p. 89, 1895.
Osborn and Ball, Ia. Agr. College Exp. Sta., Bul. 34, p. 635, 1897.
Osborn, Proc. Ia. Acad. Sci., iv, p. 215, pl. 25, fig. 1, 1897.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 47, 1916.
Localities: Md., Tenn., Ia., Colo.

2067. **Deltocephalus vinculatus** Ball

Ball, Can. Ent., xxxi, p. 191, 1891.
Locality: Colo.

2068. **Deltocephalus cruciatus** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 77, 1898.
Locality: Ia.

2069. **Deltocephalus sexmaculatus** G. & B.

Gillette and Baker, Hemip. Colo., p. 88, 1895.
Baker, Psyche, viii, p. 116, 1897.
Locality: Colo.

2070. **Deltocephalus blandus** Gill.

Gillette, Colo. St. Agr. College Exp. Sta., Bul. 43, p. 26, 1898.
Locality: Colo.

2071. **Deltocephalus debilis** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 360, 1876.
Van Duzee, Can. Ent., xxi, p. 11, 1889.
Van Duzee, Psyche, v, p. 241, 1889.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 87, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 210, pl. 23, fig. 2, 1897.
Baker, Psyche, viii, p. 117, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 520, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 121, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 49, 1916.
†*melsheimeri* Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Localities: Ont., Me., N. H., N. Y., Pa., Tenn., Mo., Ia., Colo.

2072. **Deltocephalus abdominalis** (Fabr.)

Fabricius, Syst. Rhyng., p. 98, 1803, *Cercopis* (n.n. for *bicolor* Fabr.).
Fallén, Hemip. Suec., Cicad., p. 31, 1826, *Cicada*.
Zetterstedt, Fauna Lapp., p. 521, 1828, *Cicada*.
Germar, Fauna Eur., fasc. xvii, p. 19, 1834, *Jassus*.
Flor, Rhyn. Livl., ii, p. 249, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 129, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 215, pl. 6, fig. 40, 1869.
Sahlberg, Cicad., p. 328, 1871.
Van Duzee, Psyche, v, p. 241, 1889.
Melichar, Cicad. Mitt. Eur., p. 240, 1896.
Baker, Psyche, viii, p. 117, 1897.
Ashmead, Harriman Alaska Exped., viii, p. 132, 1904.
Van Duzee, Can. Ent., xl, p. 158, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 121, 1915.
‖*bicolor* Fabricius, Ent. Syst., iv, p. 40, 1794, *Cicada*.
balteata Zetterstedt, Ins. Lapp., column 290, 1840, *Cicada*.
juvenca Hardy, Proc. Tyneside Field Club, i, p. 425, 1846(?), *Aphrodes*.
Localities: Quebec, Ont., Me., N. H., Alaska. (Europe.)

2073. **Deltocephalus pascuellus** (Fall.)

Fallén, Hemip. Suec., Cicad., p. 32, 1826, *Cicada*.
Flor, Rhyn. Livl., ii, p. 251, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 216, 1869.
Sahlberg, Cicad., p. 325, 1871.
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908.
punctipes Zetterstedt, Ins. Lapp., column 292, 1840, *Cicada*.
fuscosignatus Dahlbom, Kong. Vet. Akad. Handl. for 1850, p. 195.
†*minki* Provancher, Pet. Faune Ent. Can., iii, p. 279, 1889.
Van Duzee, Ent. Am., vi, p. 96, 1890.
Baker, Psyche, viii, p. 117, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 520, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.

Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 118, 1915.
Localities: Quebec, Ont., Me., N. H., N. Y. (Europe.)

2074. **Deltocephalus parvulus** Gill.

Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 23, 1898.
Locality: Colo.

2075. **Deltocephalus melsheimerii** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 61, 1851, *Amblycephalus.*
Walker, List Homop., iii, p. 895, 1851, *Jassus;* iv, p. 1152, 1852, *Tettigonia.*
Baker, Psyche, viii, p. 118, 1897.
?Slosson, Ent. News, ix, p. 251, 1898.
?Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 521, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
?Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xl, p. 158, 1908; xli, p. 383, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 119, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 48, 1916.
minimus Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 211, pl. 24, fig. 4, 1897.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 24, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 47, 1916.
Localities: Quebec, Ont., Me., N. H., N. Y., Pa., D. C., N. C., Tenn., Ia., Kans., Colo.

2076. **Deltocephalus monticolor** G. & B.

Gillette and Baker, Hemip. Colo., p. 88, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 220, 1897.
Locality: Colo.

2077. **Deltocephalus collinus** Boh.

Boheman, Kong. Vet. Akad. Handl. for 1850, p. 261.
Flor, Rhyn. Livl., ii, p. 257, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 135, 1868.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 216, pl. 6, fig. 42, 1869.
Sahlberg, Cicad., p. 331, 1871.
Melichar, Cicad. Mitt. Eur., p. 242, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 264, pl. 29, figs. 4, 5, 1896.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 80, 1898.
aridellus Boheman, Kong. Vet. Akad. Handl. for 1850, p. 263.
Localities: Ia., Colo. (Europe.)

2078. **Deltocephalus ordinatus** Ball

Ball, Can. Ent., xxxi, p. 307, 1899.
Locality: Colo.

2078½. **Deltocephalus concinnus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 86, 1917.
Locality: Wis.

2079. **Deltocephalus affinis** G. & B.

Gillette and Baker, Hemip. Colo., p. 84, 1895.
Baker, Psyche, viii, p. 118, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 522, 1905.
Van Duzee, Can. Ent., xl, p. 158, 1908; xli, p. 383, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 82, fig. 18, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 122, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.

†*melsheimerii* Van Duzee, Psyche, v, p. 390, 1890.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 198, 1894.
Gillette and Baker, Hemip. Colo., p. 88, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 211, pl. 24, fig. 1, 1897.
Gillette, Psyche, ix, p. 171, 1901.

†*debilis* Osborn, Ia. Agr. College Exp. Sta., Bul. 13, p. 100, 1891.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 30, p. 45, 1893.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Ia., Kans., Colo., Calif., Br. Col.

2080. **Deltocephalus unicoloratus** G. & B.

Gillette and Baker, Hemip. Colo., p. 89, 1895.
Baker, Psyche, viii, p. 118, 1897.

§*unicolorous* Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1897.
Locality: Colo.

2081. **Deltocephalus oculatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 212, pl. 23, fig. 4, 1897.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 48, 1916.
Localities: Tenn., Ia., Colo.

2082. **Deltocephalus littoralis** Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 120, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 221, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Localities: N. Y., N. J., Fla.

2083. **Deltocephalus sylvestris** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 213, pl. 25, fig. 4, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 519, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 554, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 119, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 49, 1916.
Localities: Ont., Me., N. Y., Pa., Md., D. C., N. C., Ohio, Tenn., Ia., Kans., Colo.

2084. **Deltocephalus vicilinus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 193, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 54, 1916.
Locality: Tenn.

2085. **Deltocephalus lividellus** (Zett.)

Zetterstedt, Ins. Lapp., column 290, 1840, *Cicada.*
Sahlberg, Cicad., p. 324, 1871.
Horvath, Ann. Mus. Natl. Hung., vi, pp. 6, 7, 1908.
frigidus Boheman, Kong. Vet. Akad. Handl. for 1845, p. 25.
Flor, Rhyn. Livl., ii, p. 244, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xix, p. 213, pl. 5, fig. 33, 1869.
Locality: Greenland.

2086. **Deltocephalus cinerosus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 305, 1892.
§*cinereus* Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 214, 1897.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Locality: Calif.

2087. **Deltocephalus bimaculatus** G. & B.

Gillette and Baker, Hemip. Colo., p. 86, 1895.
Baker, Psyche, viii, p. 117, 1897.
Locality: Colo.

2088. **Deltocephalus flavo-virens** G. & B.

Gillette and Baker, Hemip. Colo., p. 87, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1897, *Thamnotettix.*
Baker, Psyche, viii, p. 117, 1897.
Van Duzee, Can. Ent., xl, p. 159, 1908, *Thamnotettix.*
Localities: Quebec, Colo., Calif., Br. Col., Vanc. Isd.

2089. **Deltocephalus simplex** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 304, 1892.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1897, *Thamnotettix.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910. [*simplex* Van D.).
simplarius Osborn and Ball, Ohio Nat., ii, p. 249, 1902, *Athysanus,* (n.n. for
Osborn, 20th Rept. N. Y. St. Ent., p. 528, 1905, *Athysanus.*
Localities: Mass., N. Y., N. J., Md.

2090. **Deltocephalus osborni** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 304, 1892.
Van Duzee, Bul. Buf Soc. Nat. Sci., v, p. 198, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 220, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 249, pl. 17, fig. 4, 1902, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 527, 1905, *Athysanus.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 58, 1907.
Localities: N. Y., Ind., Neb., Ia., Colo.

2090½. **Deltocephalus escalantus** (Ball)

Ball, Ent. News, xxvii, p. 175, 1916, *Athysanus.*
Locality: Utah.

2091. **Deltocephalus auratus** G. & B.

Gillette and Baker, Hemip. Colo., p. 85, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 214, 1897.
Locality: Colo.

2092. **Deltocephalus paludosus** Ball

Ball, Can. Ent., xxxi, p. 307, 1899.
Locality: Colo.

2093. **Deltocephalus obesus** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 81, 1898.
Localities: Texas, Ariz. (Mexico.)

2094. **Deltocephalus satur** Ball

Ball, Can. Ent., xxxi, p. 309, 1899.
Locality: Colo.

2095. **Deltocephalus castoreus** Ball

Ball, Can. Ent., xxxi, p. 308, 1899.
Locality: Colo.

2096. **Deltocephalus caperatus** Ball

Ball, Can. Ent., xxxii, p. 343, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 221, 1909.
Localities: Fla.(?) Ia., Neb., Colo.

2097. **Deltocephalus balli** Van D.

Van Duzee, Check List Hemip., p. 71, 1916 (n.n. for *nigrifrons* Van D.).
†*nigrifrons* Van Duzee, Trans. Am. Ent. Soc., xxi, p. 293, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 218, 1897.
Baker, Psyche, viii, p. 116, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 68, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 74, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 122, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 50, 1916.
Localities: Me., N. Y., N. J., Pa., N. C., Tenn., Mo., Ia., Kans.

2098. **Deltocephalus fuscinervosus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 207, 1894.
Baker, Psyche, viii, p. 116, 1897.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 80, fig. 15, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Colo., Calif.

2099. **Deltocephalus punctatus** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 94, 1898, *Athysanus*.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Localities: Ia., Colo., Calif.

2100. **Deltocephalus vanduzei** G. & B.

Gillette and Baker, Hemip. Colo., p. 90, 1895.
Baker, Psyche, viii, p. 116, 1897.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
artemesiae Gillette and Baker, Hemip. Colo., p. 91, 1895, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 256, 1902 (genus?).
Localities: Colo., Calif.

2101. **Deltocephalus sonorus** Ball

Ball, Can. Ent., xxxii, p. 344, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 220, 1909.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 79, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
Localities: Fla., Texas, Ariz.

2102. **Deltocephalus gnarus** Ball

Ball, Can. Ent., xxxii, p. 345, 1900.
Locality: Ia.

2103. **Deltocephalus evansi** Ashm.

Ashmead, Harriman Alaska Exped., viii, p. 132, 1904.
Locality: Alaska.

2104. **Deltocephalus harrimani** Ashm.

Ashmead, Harriman Alaska Exped., viii, p. 132, 1904.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 83, 1912 (= *affinis?*).
Locality: Alaska.

2105. **Deltocephalus concentricus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 208, 1894.
Gillette and Baker, Hemip. Colo., p. 87, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1907, *Thamnotettix.*
Baker, Psyche, viii, p. 115, 1897. [*tettix.*
flavomarginatus Gillette and Baker, Hemip. Colo., p. 96, 1895, *Thamno-*
Baker, Psyche, viii, p. 115, 1897.
Localities: Colo., Calif.

2106. **Deltocephalus cookei** Gill.

Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 24, 1898.
Locality: Colo.

Genus **Lonatura** O. & B.
Logotype *catalina* O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 83, 1898.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 62, 1907.

2107. **Lonatura catalina** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 83, pl. 4, fig. 2, 1898.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 93, 1916.
Localities: Tenn., Ia., S. D.

2108. **Lonatura minuta** (Van D.)

Van Duzee, Ent. Am., vi, p. 96, 1890, *Deltocephalus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 220, 1897, *Doratura.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 83, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Locality: Calif.

2109. **Lonatura megalopa** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 85, pl. 4, fig. 1, 1898.
Locality: Ia.

2110. **Lonatura salsura** Ball

Ball, Can. Ent., xxxi, p. 310, 1899.
Locality: Colo.

2111. **Lonatura bicolor** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 221, 1909.
Locality: Fla.

2112. **Lonatura noctivaga** Ball

Ball, Can. Ent., xxxii, p. 342, 1900.
Localities: Neb., Colo.

2113. **Lonatura nebulosa** Ball

Ball, Can. Ent., xxxii, p. 341, 1900.
Locality: Colo.

DIVISION *EUSCELIDARIA* Van D.

Van Duzee, Check List Hemip., p. 71, 1916 (n.n. for *Athysanini* Van D.).
Athysanini Van Duzee, Trans. Am. Ent. Soc., xix, p. 288, 1892. (Tribe.)
Distant, Fauna Brit. Ind., Rhyn., iv, pp. 343, 351, 1908.
Distant, Trans. Linn. Soc. Lond., Zool., xiii, p. 47, 1909. [1907. (Tribe.)
Phyrnomorphusaria Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 24, 39,
Thamnotettixaria Distant, Fauna Brit. Ind., Rhyn., iv, p. 343, 1908.

Genus **Aconura** Leth.
Logotype *jakolevi* Leth.

Lethierry, Compt. Rend. Soc. Ent. Belg., xix, p. lxxxv, 1876.
Melichar, Cicad. Mitt. Eur., p. 302, 1896.
Matsumura, Termes. Fuzet., xxv, p. 385, 1902.
Horvath, Ann. Mus. Natl. Hung., vi, p. 567, 1908.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 378, 1908.
Athysanella Baker, Psyche, viii, p. 185, 1898 (type *magdalena* Bak.).

2114. **Aconura attenuata** (Bak.)

Baker, Psyche, viii, p. 188, 1898, *Athysanella.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 567, 1908.
Locality: Colo.

2115. **Aconura magdalena** (Bak.)

Baker, Psyche, viii, p. 185, 1898, *Athysanella.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 567, 1908.
Localities: Colo., N. Mex.

2116. **Aconura occidentalis** (Bak.)
Baker, Psyche, viii, p. 186, 1898, *Athysanella.*
Locality: Colo.

2117. **Aconura acuticauda** (Bak.)
Baker, Psyche, viii, p. 187, 1898, *Athysanella.*
Osborn, 20th Rept. N. Y. St. Ent., p. 529, 1905, *Athysanella.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanella.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 132, 1915, *Athysanella.*
Localities: Ont., Me., N. H., N. Y., Ill., Colo.

2118. **Aconura robusta** (Bak.)
Baker, Psyche, viii, p. 187, 1898, *Athysanella.*
Locality: Colo.

2119. **Aconura incongrua** (Bak.)
Baker, Psyche, viii, p. 188, 1898, *Athysanella.*
Locality: Colo.

2120. **Aconura minuta** (Bak.)
Baker, Psyche, viii, p. 189, 1898, *Athysanella.*
Locality: Colo.

2121. **Aconura argenteolus** (Uhl.)
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 473, 1877, *Deltocephalus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 220, 1897, *Deltocephalus;* p. 232, [1897, *Doratura.*
Baker, Psyche, viii, p. 119, 1897, *Deltocephalus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 567, 1908.
Locality: Colo.

2122. **Aconura labiata** (Gill.)
Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 26, 1898, *Deltocephalus.*

a. var. **rufa** (Gill.)
Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 28, 1898, *Deltocephalus.*
Locality: Colo.

2123. **Aconura atropuncta** (Gill.)
Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 28, 1898, *Deltocephalus.*
Locality: Colo.

Genus **Nephotettix** Mats.
Logotype *apicalis* Motsch.

Matsumura, Termes. Fuzet., xxv, p. 378, 1902.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 359, 1908.

2124. **Nephotettix terebrans** (G. & B.)
Gillette and Baker, Hemip. Colo., p. 102, 1895, *Eutettix.*
Baker, Psyche, viii, p. 119, 1897, *Athysanus;* p. 185, 1898, *Athysanella.*
Matsumura, Termes. Fuzet., xxv, p. 379, 1902.
Locality: Colo.

2125. **Nephotettix curtipennis** (G. & B.)
Gillette and Baker, Hemip. Colo., p. 92, 1898, *Athysanus.*
Baker, Psyche, viii, p. 119, 1897, *Athysanus;* p. 185, 1898, *Athysanella.*
Locality: Colo.

Genus **Driotura** O. & B.
Logotype *gammaroides* Van D.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 87, 1898.
Osborn and Ball, Ohio Nat., ii, p. 256, 1902 (names *gammaroides* type).
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 58, 1907.
Horvath, Ann. Mus. Natl. Hung., ix, p. 596, 1911.
Oshanin, Kat. Palae. Hemip., p. 104, 1912 (names *robusta* pseudotype).

2126. **Driotura gammaroides** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 209, 1894, *Athysanus.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 314, 1894, *Athysanus.*
Gillette and Baker, Hemip. Colo., p. 93, 1895, *Athysanus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 89, pl. 4, fig. 3, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 529, 1905.
Horvath, Ann. Mus. Natl. Hung., vi, p. 568, 1908, *Anoterostemma.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 596, 1911.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 132, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 64, 1916.

a. var. **flava** O. & B.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 90, 1898.

b. var. **fulva** Ball
Ball, Can. Ent., xxxv, p. 231, 1903.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 64, 1916 (spelled *fulvo*).
Localities: Mass., N. Y., D. C., N. C., Tenn., Ia., Kans., Colo., Wyo., Utah.

2127. **Driotura robusta** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 87, pl. 4, fig. 4, 1898.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 64, 1916.

a. var. **vittata** Ball
Ball, Can. Ent., xxxv, p. 231, 1903.
Localities: N. C., Tenn., Ia., Colo.

2128. **Driotura ornata** (Gill.)

Gillette, Colo. Agr. Exp. Sta., Bul. 43, p. 29, 1898, *Athysanus.*
Osborn and Ball, Ohio. Nat., ii, p. 256, 1902.
Locality: Colo.

Genus **Euscelis** Brul.
Haplotype *lineolatus* Brul.

Brullé, Exped. Sci. Morée, iii, p. 109(?), 1832.
Horvath, Ann. Mus. Natl. Hung., vi, p. 9, 1908.
Van Duzee, Can. Ent., xlvi, p. 389, 1914.
Van Duzee, Check List Hemip., p. 71, 1916. [=*lineolatus* Brul.).
Phrynomorphus Curtis, Ent. Mag., i, p. 194, 1833 (haplotype *nitidus* Curt.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 116, 1840 (names *nitidus* type).
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 325, 1906; iii, p. 59, 1907.
Athysanus Burmeister, Genera Ins., i, pl. 14, 1838.

Amyot and Serville, Hémip., p. 587, 1843.
Kirschbaum, Die Athysanus Arten, p. 3, 1858.
Flor, Rhyn. Livl., ii, p. 267, 1861.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 81, 102, 1868.
Sahlberg, Cicad., pp. 71, 260, 1871. [meister made *argentatus* type).
Scott, Ent. Mo. Mag., xii, p. 93, 1875 (states erroneously that Bur-
Fieber, Cicad. d'Eur., i, p. 122, 1875; ii, pl. 12, 1876.
Berg, Hemip. Argent., p. 265, 1879.
Mayr, Tabellen, p. 33, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, pp. 33, 35.
Provancher, Pet. Faune Ent. Can., iii, p. 281, 1889.
Van Duzee, Psyche, vi, p. 307, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Van Duzee, Can. Ent., xxv, p. 285, 1893.
Melichar, Cicad. Mitt. Eur., p. 257, 1896.
Matsumura, Termes. Fuzet., xxv, p. 372, 1902.
Osborn and Ball, Ohio Nat., ii, p. 231, 1902 (names *argentatus* type).
Distant, Fauna Brit. Ind., Rhyn., iv, p. 343, 1908 (cites *argentatus* as
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 60, 1916. [type).
Opsius Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866.

Subgenus **Athysanus** Burm.
Logotype *argentatus* Fabr.

Osborn and Ball, Ohio Nat., ii, p. 232, 1902.
Van Duzee, Can. Ent., xlvi, p. 389, 1915.
Limotettix Sahlberg, Cicad., p. 224, 1871.
Van Duzee, Psyche, vi, p. 306, 1892 (type *striola* Fall.?).
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892; xxi, p. 303, 1894.

2129. **Euscelis magnus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 225, pl. 26, fig. 2, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 273, 1902, *Athysanus.*
Localities: La., Texas, Ia., Neb., Kans., Colo., Wyo., S. D., Minn.

2130. **Euscelis frigidus** Ball

Ball, Ent. News, x, p. 172, 1899, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 233, 1902, *Athysanus.*
Locality: Colo.

2131. **Euscelis exitiosus** (Uhl.)

Uhler, Am. Ent., iii, p. 72, 1880, *Cicadula.*
Uhler, U. S. Dept. Agr., Rept. for 1879, p. 191, 1880, *Cicadula.*
Uhler, Stand. Nat. Hist., ii, p. 245, 1884, *Cicadula.*
Van Duzee, Psyche, v, p. 306, 1892, *Limotettix.*
Osborn, Iowa St. Agr. Soc., Rept. for 1892, p. 688, *Cicadula.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Cicadula.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 304, 1894, *Limotettix.*
Gillette and Baker, Hemip. Colo., p. 100, 1895, *Eutettix.*
Osborn and Ball, Ohio Nat., ii, p. 234, pl. 16, fig. 2, 1902, *Limottetix.*
Wirtner, Ann. Carn. Mus., iii, p. 222, 1904, *Athysanus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 68, 1907, *Athysanus.*

Van Duzee, Can. Ent., xli, p. 128, 1909, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 86, fig. 21, 1912, *Athysanus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914, *Phrynomorphus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914, *Athysanus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915, *Athysanus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 60, 1916, *Athysanus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Localities: N. Y., N. J., Pa., Md., D. C., N. C., S. C., Ga., Fla., Miss., Ohio, Tenn., Ind., Ia., Mo., Kans., Colo., Okla., Texas, Ariz., Calif. (West Indies, Bermudas.)

2132. **Euscelis striolus** (Fall.)

Fallén, Acta Holm, xxvii, p. 31, 1806, *Cicada.*
Flor, Rhyn. Livl., ii, p. 315, 1861, *Jassus.*
Kirschbaum, Cicad. v. Wiesbd., p. 87, 1868, *Jassus.*
Sahlberg, Cicad., p. 226, 1871, *Limotettix.*
Fieber, Kat. Eur. Cicad., p. 12, 1872, *Athysanus.*
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 71, *Limotettix.*
Van Duzee, Can. Ent., xxi, p. 11, 1889; xxiii, p. 171, 1891, *Athysanus.*
Van Duzee, Psyche, vi, p. 306, 1892, *Limotettix.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894, *Limotettix.*
Melichar, Cicad. Mitt. Eur., p. 264, 1896, *Athysanus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 91, pl. 5, fig. 4, 1898, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 235, 1902, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 527, 1905, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 132, 1915, *Athysanus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
frenatus Germar, Mag. d. Ent., iv, p. 86, 1821, *Jassus.*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., Ohio, Ill., Ia., Colo., Calif., Vanc. Isd.

2133. **Euscelis paralellus** (Van D.)

Van Duzee, Can. Ent., xxiii, p. 169, 1891, *Athysanus.*
Van Duzee, Psyche, vi, p. 306, 1892, *Limotettix.*
Osborn and Ball, Ohio Nat., ii, p. 235, 1902, *Athysanus.*
Van Duzee, Can. Ent., xxxviii, p. 410, 1906, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Localities: Quebec, Ont., N. J., Ia., Colo.

Subgenus **Euscelis** Brullé

Van Duzee, Can. Ent., xlvi, p. 389, 1915.
Athysanus Sec. 1, Van Duzee, Psyche, vi, p. 307, 1892.
Athysanus Sec. A, Van Duzee, Can. Ent., xxv, p. 285, 1893.
Conosanus Osborn and Ball, Ohio Nat., ii, p. 236, 1902.

2134. **Euscelis extrusus** (Van D.)

Van Duzee, Can. Ent., xxv, p. 283, 1893, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894, *Athysanus.*

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 92, pl. 6, fig. 1, 1898, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 237, 1902, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 527, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 127, 1915, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 61, 1916, *Athysanus.*
venosus Osborn, 20th Rept. N. Y. St. Ent., p. 526, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*
Localities: Ont., Me., N. H., Conn., N. Y., N. J., Pa., Tenn., Mich., Ia., Kans., Colo.

2135. **Euscelis alpinus** (Ball)

Ball, Ent. News, x, p. 173, 1899, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 238, 1902, *Athysanus.*
Localities: N. H., Colo.

2136. **Euscelis relativus** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 93, 1895, *Athysanus.*
Horvath, Ann. Mus. Natl. Hung., vi, p. 6, 1908, *Athysanus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912, *Athysanus.*
†*obsoletus* Provancher, Pet. Faune Ent. Can., iii, p. 281, 1889, *Athysanus.*
Van Duzee, Psyche, vi, p. 307, 1892, *Athysanus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Athysanus.*
Van Duzee, Can. Ent., xxv, p. 285, 1893, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894, *Athysanus.*
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 295, 1894, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 239, 1902, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 526, 1905, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 127, 1915, *Athysanus.*
Localities: Ont., Me., R. I., N. Y., Ill., Ia., Colo., Vanc. Isd.

2136½. **Euscelis shastus** (Ball)

Ball, Ent News, xxvii, p. 174, 1916, *Athysanus.*
Locality: Calif.

2136¾. **Euscelis deceptus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 87, 1917.
Localities: Me., Ill., Wis.

2137. **Euscelis varus** (Ball)

Ball, Can. Ent., xxxiii, p. 5, 1901, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 239, 1902, *Athysanus.*
Locality: Colo.

2138. **Euscelis uhleri** (Ball)

Ball, Can. Ent., xliii, p. 200, 1911, *Athysanus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912, *Athysanus.*
†*plutonius* Provancher, Pet. Faune Ent. Can., iii, p. 282, 1889, *Athysanus.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Athysanus.*
Van Duzee, Can. Ent., xxv, p. 285, 1893, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894, *Athysanus.*

Osborn and Ball, Ohio Nat., ii, p. 240, pl. 16, fig. 3, 1902, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 528, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 126, 1915, *Athysanus.*
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Ia., S. D., Neb., Kans., Mo.

2139. **Euscelis anthracinus** (Van D.)

Van Duzee, Can. Ent., xxvi, p. 136, 1894, *Athysanus.*
Gillette and Baker, Hemip. Colo., p. 91, 1895, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 241, 1902, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 528, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 126, 1915, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 61, 1916, *Athysanus.*
[*Schleroracus anthracinus* Uhler MS *in litt.*] [*Conogonus.*
[*gagates* Ashmead, MS] Osborn, Proc. Ia. Acad., Sci., i, pt. 2, p. 126, 1892,
Localities: Me., Mass., N. Y., N. J., D. C., Tenn., Ia., Kans., Colo.

2140. **Euscelis viriosus** (Ball)

Ball, Can. Ent., xlii, p. 266, 1910, *Thamnotettix.*
Van Duzee, Check List Hemip., p. 72, 1916.
Locality: Calif.

2141. **Euscelis symphoricarpae** (Ball)

Ball, Can. Ent., xxxiii, p. 5, 1901, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 241, pl. 16, fig. 4, 1902, *Athysanus.*
Localities: Mass., Colo

2141½. **Euscelis clavatus** (Ball)

Ball, Ent. News, xxvii, p. 173, 1916, *Athysanus.*
Locality: Utah.

2142. **Euscelis arctostaphyli** (Ball)

Ball, Ent. News, x, p. 172, 1899, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 243, pl. 16, fig. 5, 1902, *Athysanus.*
Slosson, Ent. News, xiii, p. 321, 1902, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 129, 1915, *Athysanus.*
Localities: Quebec, Me., N. H., N. Y., Colo.

2143. **Euscelis humidus** (Osb.)

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 131, 1915, *Athysanus.*
Locality: Me.

2144. **Euscelis striatulus** (Fall.)

Fallén, Hemip. Suec., Cicad., p. 45, 1826, *Cicada.*
Flor, Rhyn. Livl., ii, p. 361, 1861, *Jassus.*
Sahlberg, Cicad., p. 253, 1871, *Limotettix.*
Melichar, Cicad. Mitt. Eur., p. 264, 1896, *Athysanus.*

Edwards, Hemip. Homop. Brit. Isds., p. 172, pl. 19, fig. 9, 1896, *Thamnotettix.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 91, pl. 5, fig. 3, 1898, *Athysanus.*
plutonius Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 470, 1877, *Jassus.*
Ball, Can. Ent., xliii, p. 200, 1911, *Athysanus.*
†*vaccinii* Osborn and Ball, Ohio Nat., ii, p. 242, 1902, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 528, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*
Van Duzee, Can. Ent., xxxviii, p. 410, 1906, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 130, 1915, *Athysanus.*
Localities: Ont., Me., Mass., R. I., N. Y., N. J., Md., Ia., Kans., Colo. (Europe.)

2145. **Euscelis vaccinii (Van D.)**

Van Duzee, Ent. Am., vi, p. 135, 1890, *Athysanus* (*striatulus* or *vaccinii*).
Van Duzee, Can. Ent., xxv, p. 285, 1893, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Localities: Quebec, Ont., Me., Mass., R. I., N. Y., N. J., Pa.
[Probably not distinct from preceding.]

2146. **Euscelis instabilis** (Van D.)

Van Duzee, Can. Ent., xxv, p. 284, 1893, *Athysanus.*
Van Duzee, Mich. Agr. Exp. Sta., Bul. 102, p. 8, 1894, *Athysanus.*
Van Duzee, Exp. Sta. Record, v, p. 791, 1894, *Athysanus* (reprint of preceding).
Gillette and Baker, Hemip. Colo., p. 93, 1895, *Athysanus.*
Van Duzee, Can. Ent., xl, p. 158, 1908, *Athysanus.*
†*striatulus* Osborn and Ball, Ohio Nat., ii, p. 242, 1902, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 528, 1905, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 128, 1915, *Athysanus.*
Localities: Quebec, Ont., Mich., Colo., Br. Col.

2147. **Euscelis angustatus** (Osb.)

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 130, 1915, *Athysanus.*
Localities: Me., N. Y.

2148. **Euscelis elongatus** (Osb.)

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 129, 1915, *Athysanus.*
†*striatulus* Van Duzee, Can. Ent., xxxviii, p. 410, 1906, *Athysanus.*
Athysanus sp., Van. Duzee, Can. Ent., xl, p. 158, 1908.
Localities: Quebec., Ont., Me., Ore.(?).

2149. **Euscelis dentatus** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 95, 1898, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 244, pl. 17, fig. 5, 1902, *Athysanus.*
Locality: Colo.

2150. **Euscelis acuminatus** (Bak.)

Baker, Psyche, vii, Suppl., i, p. 25, 1896, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 256, 1902, *Athysanus.*
Locality: N. Mex.

Subgenus **Conomellus** O. & B.
Orthotype *comma* (Van D.)

Osborn and Ball, Ohio Nat., ii, p. 245, 1902.
Van Duzee, Can. Ent., xlvi, p. 389, 1915.

2151. **Euscelis comma** (Van D.)

Van Duzee, Can. Ent., xxiv, p. 114, 1892, *Athysanus.*
Gillette and Baker, Hemip. Colo., p. 92, 1895, *Athysanus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 223, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 246, pl. 17, fig. 1, 1902, *Athysanus.*
Slosson, Ent. News, xiii, p. 321, 1902, *Athysanus.*
Localities: N. H., Ia., Neb., Kans., Colo.

2152. **Euscelis colon** (O. & B.)

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 223, pl. 26, fig. 3, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 247, pl. 17, fig. 2, 1902, *Athysanus.*
Localities: Ia., Minn.

2153. **Euscelis sexvittatus** (Van D.)

Van Duzee, Can. Ent., xxvi, p. 93, 1894, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 247, pl. 17, fig. 3, 1902, *Athysanus.*
Locality: Colo.

2153½. **Euscelis lassus** (Ball)

Ball, Ent. News, xxvii, p. 175, 1916, *Athysanus.*
Locality: Calif.

2154. **Euscelis texanus** (O. & B.)

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 92, 1898, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 248, 1898, *Athysanus.*
Localities: La., Texas.

2155. **Euscelis estacadus** (Ball)

Ball, Can. Ent., xliii, p. 200, 1911, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 62, 1916, *Athysanus.*
Localities: Tenn., Texas.

Subgenus **Stirellus** O. & B.
Orthotype *bicolor* (Van D.)

Osborn and Ball, Ohio Nat., ii, p. 250, 1902.
Van Duzee, Can. Ent., xlvi, p. 389, 1915.
Athysanus Sec. 2, Van Duzee, Psyche, vi, p. 307, 1892.
Athysanus Sec. B, Van Duzee, Can. Ent., xxv, p. 285, 1893.

2156. **Euscelis curtisii** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 61, 1851, *Amblycephalus.*
Walker, List Homop., iv, p. 1159, 1852; Suppl., p. 348, 1858, *Tettigonia.*
Provancher, Pet. Faune Ent. Can., iii, p. 278, 1889, *Deltocephalus.*
Van Duzee, Psyche, v, p. 290, 1890, *Athysanus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Athysanus.*
Van Duzee, Can. Ent., xxv, p. 285, 1893, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894, *Athysanus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 221, 1897, *Athysanus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 91, pl. 5, fig. 1, 1898, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 251, 1902, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 529, 1905, *Athysanus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905, *Athysanus.*

Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Van Duzee, Can. Ent., xliv, p. 328, 1912, *Athysanus.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 91, fig. 22, 1912, *Athysanus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 125, 1915, *Athysanus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 62, 1916, *Athysanus.*
nervatus Provancher, Nat. Can., iv, p. 378, 1872, *Jassus.*
Localities: Quebec, Ont., Me., N. H., Vt., N. Y., N. J., Pa., Ohio, Tenn., Mich., Ia., Mo.

2157. **Euscelis bicolor** (Van D.)

Van Duzee, Can. Ent., xxiv, p. 114, 1892, *Athysanus.*
Weed, Can. Ent., xxiv, p. 279, 1892, *Athysanus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 222, 1897, *Athysanus.*
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 91, pl. 5, fig. 2, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 251, 1902, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 222, 1909, *Athysanus.*
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910, *Athysanus.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 92, fig. 23, 1912, *Athysanus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914, *Phrynomorphus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915, *Athysanus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915, *Athysanus*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 62, 1916, *Athysanus.*
virgulatus Uhler, Proc. Zool. Soc. Lond. for 1895, p. 78, *Deltocephalus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Deltocephalus.*
Smith, Cat. Ins. N. J., edn. 2, p. 95, 1900, *Deltocephalus.*
Localities: N. J., D. C., Va., N. C., Ga., Fla., Miss., Ohio, Mich., Tenn., Ill., Ia., Neb., Kans. (Neotropical.)

2158. **Euscelis obtutus** (Van D.)

Van Duzee, Can. Ent., xxiv, p. 115, 1892, *Athysanus* (misprinted *obtusus*).
Van Duzee, Can. Ent., xxiv, p. 156, 1892, *Athysanus* (spelling corrected).
Weed, Can. Ent., xxiv, p. 279, 1892, *Athysanus.*
Van Duzee, Can. Ent., xxv, p. 285, 1893, *Athysanus.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 222, pl. 21, fig. 2, 1897, *Athysanus.*
Osborn and Ball, Ohio Nat., ii, p. 252, 1902, *Athysanus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 222, 1909, *Athysanus.*
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 93, fig. 24, 1912, *Athysanus.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915, *Athysanus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915, *Athysanus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 63, 1916, *Athysanus.* [*morphus.*
§*obtusus* Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914, *Phryno-*
Localities: Md., D. C., N. C., S. C., Ga., Fla., Miss., Tenn., Ia., Kans., Mo.

[**Euscelis ignotus** (Baker) MS]

Smith, Cat. Ins. N. J., edn. 2, p. 95, 1900, *Athysanus.*
Locality: N. J.

2159. **Euscelis villicus** (Crmb.)

Crumb, Ann. Ent. Soc. Am., viii, p. 194, 1915, *Athysanus.*
Locality: Tenn.

Genus **Eutettix** Van D.
Orthotype *lurida* (Van D.)

Van Duzee, Psyche, vi, p. 307, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Matsumura, Termes Fuzet., xxv, p. 380, 1902.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 331, 1906; iii, p. 53, 1907.
Ball, Proc. Dav. Acad. Sci., xii, p. 27, 1907 (monograph).
Distant, Fauna Brit. Ind. Rhyn., iv, pp. 351, 362, 1908.
Van Duzee, Can. Ent., xli, p. 384, 1909 (citing *lurida* as type).
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 65, 1916.

2160. **Eutettix luridus** (Van D.)
Van Duzee, Can. Ent., xxii, p. 250, 1890, *Thamnotettix.*
Van Duzee, Psyche, vi, p. 307, 1892.
Osborn, 20th Rept. N. Y. St. Ent., p. 530, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 36, pl. i, fig. 4, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Localities: N. H., N. Y., N. J., Md., D. C., Ga., Fla., Mich., Ia.

2161. **Eutettix marmoratus** Van D.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 302, 1892.
Ball, Proc. Dav. Acad. Sci., xii, p. 35, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 66, 1916.
incerta Gillette and Baker, Hemip. Colo., p. 100, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Localities: Mass., N. Y., N. J., D. C., N. C., Fla., Ohio, Tenn., N. D., Colo.

2162. **Eutettix southwicki** (Van D.)
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 209, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 531, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 36, pl. 1, fig. 3, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
brunneus Osborn, 20th Rept. N. Y. St. Ent., p. 530, 1905.
Localities: N. Y., N. J., Md., D. C., Ia., Colo.(?).

2163. **Eutettix subaeneus** (Van D.)
Van Duzee, Ent. Am., vi, p. 77, 1890, *Thamnotettix.*
Van Duzee, Psyche, vi, p. 307, 1892, *Thamnotettix.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 303, 1892.
Ball, Proc. Dav. Acad. Sci., xii, p. 37, pl. 1, fig. 5, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
?Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 139, 1915.
?Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
?DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 66, 1916.
Localities: Me.(?), N. C.(?), Tenn.(?), Colo., Calif.

2164. **Eutettix querci** G. & B.
Gillette and Baker, Hemip. Colo., p. 101, 1895.
Ball, Proc. Dav. Acad. Sci., xii, p. 37, pl. 1, fig. 5, 1907.
Localities: D. C.(?), Colo., Utah.

2165. **Eutettix tristis** Ball

Ball, Proc. Dav. Acad. Sci., xii, p. 34, pl. 1, fig. 2, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Localities: N. J., Md., D. C., Ga., Fla.

2166. **Eutettix bartschi** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 223, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Locality: Fla.

2167. **Eutettix pictus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 301, 1892.
Ball, Proc. Dav. Acad. Sci., xii, p. 34, pl. 1, fig. 1, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 65, 1916.
magnus Osborn, Ent. News, xi, p. 395, 1900.
Localities: Pa., N. J., Md., D. C., Fla., Tenn., Ind., Ark.

2168. **Eutettix slossoni** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 210, 1894; ix, p. 222, 1908.
Ball, Proc. Dav. Acad. Sci., xii, p. 35, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Localities: Mass., N. J., D. C., Fla., Texas.

2169. **Eutettix nitens** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 223, 1909.
Locality: Fla.

2170. **Eutettix johnsoni** Van D.

Van Duzee, Can. Ent., xxvi, p. 137, 1894.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 232, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 531, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 66, pl. 3, fig. 8, 1907, *Mesamia*.
Smith, Cat. Ins. N. J., edn. 3, p. 104, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 139, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 67, 1916.
Localities: Me., N. H., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ohio, Tenn., Ia.

2171. **Eutettix animanus** Ball

Ball, Can. Ent., xli, p. 81, 1909, *Mesamia*.
Locality: Colo.

2172. **Eutettix auratus** Ball

Ball, Can. Ent., xli, p. 81, 1909, *Mesamia*.
Locality: D. C.

2173. **Eutettix clarivida** Van D.

Van Duzee, Can. Ent., xxvi, p. 138, 1894.
Gillette and Baker, Hemip. Colo., p. 100, 1895.
Ball, Proc. Dav. Acad. Sci., xii, p. 38, pl. 1, fig. 6, 1907.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Localities: Mo., Colo., Utah.

2174. **Eutettix osborni** Ball

Ball, Proc. Dav. Acad. Sci., xii, p. 39, pl. 1, fig. 7, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Localities: Mo., Texas, Calif.

2175. **Eutettix insanus** Ball

Ball, Can. Ent., xxxii, p. 203, 1900.
Ball, Proc. Dav. Acad. Sci., xii, p. 39, pl. 1, fig. 8, 1907.

a. var. **coronatus** Ball.

Ball, Can. Ent., xlviii, p. 127, 1916.
Localities: Colo., Utah, Calif.

2176. **Eutettix pauperculus** (Ball)

Ball, Can. Ent., xxxv, p. 228, 1903, *Phlepsius.*
Ball, Proc. Dav. Acad. Sci., xii, p. 40, pl. 1, fig. 9, 1907.
Localities: Colo., Utah.

2177. **Eutettix strictus** Ball

Ball, Can. Ent., xxxii, p. 204, 1900.
Ball, Proc. Dav. Acad. Sci., xii, p. 41, pl. 1, fig. 10, 1907.
Localities: Colo., Texas, Ariz. (Mexico.)

2178. **Eutettix tenellus** (Bak.)

Gillette and Baker, Hemip. Colo., p. 100, 1895, *Thamnotettix* (a MS name).
Baker, Psyche, vii, Suppl., p. 24, 1896, *Thamnotettix.*
Ball, U. S. Dept. Agr., Bur. Ent., Bul. 66, pt. 4, p. 35, pl. 1, fig. 1, 1904.
Ball, Proc. Dav. Acad. Sci., xii, p. 41, pl. 1, fig. 11, pl. 4, figs. 4, 5, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Essig, Inj. Benif. Ins. Calif., edn. 2, p. 64, 1915.
Localities: Colo., Utah, N. Mex., Ariz., Calif.

2179. **Eutettix seminudus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 307, 1831; Compl. Writ., ii, p. 383, *Jassus.*
Harris *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Jassus.*
Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Bythoscopus.*
Dimmock, Psyche, iv, p. 241, 18—, *Bythoscopus.*
Uhler, Stand. Nat. Hist., ii, p. 246, 1884, *Thamnotettix.*
Provancher, Pet. Faune Ent. Can., iii, p. 285, 1889, *Thamnotettix.*
Van Duzee, Psyche, v, p. 389, 1890, *Athysanus.*
Packard, 5th Rept. U. S. Ent. Comm., p. 513, 1890, *Bythoscopus.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Thamnotettix.*
Van Duzee, Psyche, vi, p. 307, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 529, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 42, pl. 2, fig. 1, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 22, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 66, 1916.
Localities: Quebec, Ont., Mass., Conn., N. Y., Pa., Md., D. C., N. C., Miss., Ohio, Tenn., Ind., Ill., Ia., Mo., Kans., Texas.

2180. **Eutettix cinctus** O. & B.

Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 97, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 530, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 64, pl. 4, fig. 1, 1907, *Mesamia.*
Smith, Cat. Ins. N. J., edn. 3, p. 103, 1910, *Mesamia.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 67, 1916.
†*jucunda* Van Duzee, Psyche, vi, p. 307, 1892.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 297, 1894.
Localities: N. Y., N. J., Pa., Md., D. C., Miss., Tenn., Ia., Colo., Texas.

2181. **Eutettix strobi** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Bythoscopus.*
Walker, List Homop., iii, p. 876, 1851, *Bythoscopus.*
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 739, 1857, *Bythoscopus.*
Rathvon *in* Mombert, Hist. Lanc. Co., Pa., p. 551, 1869, *Bythoscopus.*
Packard, 5th Rept. U. S. Ent. Comm., p. 802, 1890, *Bythoscopus.*
Van Duzee, Psyche, v, p. 390, 1890, *Phlepsius.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 67, 1892; xxi, p. 299, 1894, *Phlepsius.*
Baker, Psyche, vii, Suppl., i, p. 24, 1896.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 531, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 44, pl. 2, fig. 2, pl. 4, fig. 3, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Ball, U. S. Dept. Agr., Bur. Ent., Bul. 66, pt. 4, p. 49, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 138, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 67, 1916.
Localities: Ont., Me., Mass., Conn., N. Y., N. J., Pa., D. C., N. C., Ohio, Tenn., Mo., Ia., Neb., Kans., Colo., Utah, Texas.

2182. **Eutettix scitulus** Ball

Ball, Can. Ent., xxxiii, p. 47, 1901.
Ball, Proc. Dav. Acad. Sci., xii, p. 45, pl. 2, fig. 3, 1907.
Ball, U. S. Dept. Agr., Bur. Ent., Bul. 66, pt. 4, p. 49, pl. 1, fig. 3, 1909.
†*seminuda* Gillette and Baker, Hemip. Colo., p. 102, 1895.
Baker, Psyche, vii, Suppl., i, p. 24, 1896.
Localities: Colo., Utah, N. Mex., Ariz.

2183. **Eutettix pullatus** Ball

Ball, Can. Ent., xxxiii, p. 48, 1901.
Ball, Proc. Dav. Acad. Sci., xii, p. 46, pl. 2, fig. 4, 1907.
Localities: Colo., Utah, N. Mex., Ariz.

2184. **Eutettix perelegantis** Ball

Ball, Can. Ent., xxxiii, p. 46, 1901.
Ball, Proc. Dav. Acad. Sci., xii, p. 47, pl. 2, fig. 5, 1907.
Localities: Colo., Utah.

2185. **Eutettix mildredae** Ball

Ball, Can. Ent., xxxiii, p. 45, 1901.
Ball, Proc. Dav. Acad. Sci., xii, p. 48, pl. 2, fig. 6, 1907.
Localities: Colo., N. Mex., Ariz.

2185½. **Eutettix columbianus** Ball

Ball, Can. Ent., xlviii, p. 125, 1916.
Locality: Wash.

2186. **Eutettix amandus** Ball

Ball, Can. Ent., xli, p. 82, 1909.
Locality: Ariz.

2187. **Eutettix snowi** Ball

Ball, Proc. Dav. Acad. Sci., xii, p. 49, pl. 2, fig. 7, 1907.
Locality: Ariz.

2188. **Eutettix saucius** Ball

Ball, Can. Ent., xxxiii, p. 46, 1901.
Ball, Proc. Dav. Acad. Sci., xii, p. 49, pl. 2, fig. 8, 1907.
Localities: Colo., Utah, Calif.

2188½. **Eutettix nevada** Ball

Ball, Can. Ent., xlviii, p. 126, 1916.
Locality: Nevada.

2189. **Eutettix pulchellus** Bak.

Baker, Psyche, vii, Suppl., i, p. 24, 1896.
Ball, Proc. Dav. Acad. Sci., xii, p. 50, pl. 2, fig. 9, 1907.

a. var. **scaber** O. & B.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 96, 1898.
Localities: Ia., N. Mex., Ariz.

2190. **Eutettix albidus** (Ball)

Ball, Can. Ent., xxxii, p. 203, 1900, *Phlepsius.*
Ball, Proc. Dav. Acad. Sci., xii, p. 51, pl. 2, fig. 10, 1907.
Localities: Colo., Utah, Ariz.

2191. **Eutettix ziczac** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 195, 1915.
Locality: Texas.

2192. **Eutettix pannosus** Ball

Ball, Can. Ent., xxiv, p. 12, 1902.
Ball, Proc. Dav. Acad. Sci., xii, p. 51, pl. 2, fig. 11, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Locality: Calif.

2192½. **Eutettix rubidus** Ball

Ball, Can. Ent., xlviii, p. 126, 1916.
Locality: Utah.

2193. **Eutettix texanus** Ball

Ball, Proc. Dav. Acad. Sci., xii, p. 52, 1907.
Locality: Texas.

2194. **Eutettix bicoloratus** Ball

Ball, Can. Ent., xxxvii, p. 212, 1905.
Ball, Proc. Dav. Acad. Sci., xii, p. 53, pl. 2, fig. 12, 1907.
Localities: Ark., Utah.

Genus **Phlepsius** Fieb.
Haplotype *intricatus* (H. S.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 503, 1866.
Fieber, Cicad. d'Eur., i, p. 122, 1875; ii, pl. 12, 1876.
Signoret, Ann. Soc. Ent. Fr., ser. 5, x, p. 68, 1880.
Mayr, Tabellen, p. 32, 1884.
Van Duzee, Trans. Am. Ent. Soc., xix, pp. 63, 300, 1892.
Melichar, Cicad. Mitt. Eur., p. 204, 1896.
Matsumura, Termes. Fuzet., xxv, p. 382, 1902.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 346, 1908.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 68, 1916.
†*Allygus* Uhler, Stand. Nat. Hist., ii, p. 245, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 286, 1889.
Paraphlepsius Baker, Can. Ent., xxix, p. 158, 1897 (orthotype *ramosus* Bak.)
Parallygus Melichar, Homop. Ceylon, p. 179, 1903 (haplotoype *divaricatus* [Melich.).

2195. **Phlepsius majestus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 229, pl. 26, fig. 6, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 533, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 76, 1916.
Localities: N. Y., N. J., Pa., Miss., Ohio, Tenn., Ia., Kans.

2196. **Phlepsius spatulatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 78, 1892.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
personatus Baker, Can. Ent., xxx, p. 30, 1898.
?Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Ia., Utah, Texas, Ariz., Calif.

2197. **Phlepsius excultus** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 467, 1877, *Jassus*.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 80, 1892.
Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 224, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 77, 1916.
[*infumatus* and *scalaris* Uhler MS] in collections.
Localities: Mass., N. Y., N. J., Pa., N. C., Ga., Fla., Tenn., Ill., Kans., Minn., Colo., Texas.

2198. **Phlepsius neomexicanus** Bak.

Baker, Psyche, vii, Suppl., i, p. 13, 1895.
Locality: N. Mex.

2199. **Phlepsius superbus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 81, 1892.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 77, 1916.
Localities: N. C., Ga., Tenn., Mo., Texas, Ariz., Nev., Calif.

2200½. **Phlepsius distinctus** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 129, 1917.
Locality: S. C.

2200. **Phlepsius areolatus** Bak.

Baker, Can. Ent., xxx, p. 30, 1898.
Locality: Kans.

2201. **Phlepsius decorus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 230, pl. 26, fig. 7, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 533, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 224, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 141, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 76, 1916.
Localities: Ont., Me., N. Y., N. J., Pa., Fla., Ohio, Tenn., Ia., Neb., Kans.

2202. **Phlepsius ovatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 79, 1892.
Gillette and Baker, Hemip. Colo., p. 94, 1895.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 75, 1916.
Localities: Tenn., Kans., Texas, Colo., Utah, Calif.

2203. **Phlepsius graphicus** Ball

Ball, Can. Ent., xxxii, p. 201, 1900.
Localities: Neb., Colo.

2204. **Phlepsius cumulatus** Ball

Ball, Can. Ent., xxxii, p. 202, 1900.
Van Duzee, Trans. Am. Ent. Soc., xxix, p. 112, 1903.

a. var. **arctostaphylae** Ball

Ball, Can. Ent., xxxii, p. 202, 1900.
Localities: Colo., Utah, N. Mex.

2205. **Phlepsius attractus** Ball

Ball, Can. Ent., xli, p. 77, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Locality: Fla.

2206. **Phlepsius floridanus** Ball

Ball, Can. Ent., xli, p. 78, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Locality: Fla.

2207. **Phlepsius utahnus** Ball

Ball, Can. Ent., xli, p. 79, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Utah, Calif.

2208. **Phlepsius tigrinus** Ball

Ball, Can. Ent., xli, p. 80, 1909.
Locality: D. C.

2209. **Phlepsius costomaculatus** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 207, 1894, *Allygus*.
Osborn, Ohio Nat., ix, p. 460, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
pulchripennis Baker, Ent. News, ix, p. 65, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 225, 1909.
Localities: Fla., Texas. (Guatemala.)

2210. **Phlepsius lippulus** Ball

Ball, Can. Ent., xxxv, p. 227, 1903.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Localities: Fla.

2210½. **Phlepsius carolinus** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 127, 1917.
Locality: S. C.

2211. **Phlepsius franconianus** Ball

Ball, Can. Ent., xxxv, p. 228, 1903.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 143, 1915.
Localities: Me., N. H.

2212. **Phlepsius uhleri** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 67, 1892.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Localities: N. J., Md.

2213. **Phlepsius josea** Ball

Ball, Can. Ent., xxxii, p. 347, 1900.
Locality: Colo.

2214. **Phlepsius extremus** Ball

Ball, Can. Ent., xxxiii, p. 10, 1901.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Localities: Colo., Calif.

2215. **Phlepsius maculatus** Osb.

Osborn, Ohio Nat., v, p. 276, 1905.
Locality: Ohio.

2216. **Phlepsius maculellus** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 141, 1915.
Locality: Me.

2217. **Phlepsius nigrifrons** Ball

Ball, Can. Ent., xxxvii, p. 210, 1905.
Locality: Ark.

2218. **Phlepsius vanduzei** Ball

Ball, Can. Ent., xxxiii, p. 9, 1901.
Localities: Colo., Utah.

2219. **Phlepsius denudatus** Ball

Ball, Can. Ent., xxxiii, p. 11, 1901.
Locality: Colo.

2219¼. **Phlepsius loculatus** Ball

Ball, Can. Ent., xlviii, p. 128, 1916.
Localities: Utah, Calif.

2219½. **Phlepsius stellaris** Ball

Ball, Can. Ent., xlviii, p. 129, 1916.
Locality: Utah.

2220. **Phlepsius lascivius** Ball

Ball, Can. Ent., xxxii, p. 200, 1900.
Localities: Neb., Colo., Utah.

2221. **Phlepsius altus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 228, pl. 26, fig. 5, 1897.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 99, pl. 6, fig. 3, 1898.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
mimus Baker, Ent. News, ix, p. 67, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 224, 1909.
Localities: N. J., Md., Fla., Ia., Neb., Kans.

2222. **Phlepsius pallidus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 69, 1892.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Localities: Mo., Texas.

2223. **Phlepsius incisus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 73, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 533, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 143, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 71, 1916.
Localities: Ont., Me., N. Y., Pa., Mich., Tenn.

2223½. **Phlepsius umbrosus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 88, 1917.
Locality: Wis.

2224. **Phlepsius tubus** Ball

Ball, Can. Ent., xli, p. 78, 1909.
Locality: D. C.

2225. **Phlepsius pusillus** Bak.

Baker, Ent. News, ix, p. 66, 1898.
Locality: Md.

2226. **Phlepsius fuscipennis** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 70, 1892.
Southwick, Science, xix, p. 287, 1892.
Osborn, 20th Rept. N. Y. St. Ent., p. 532, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 225, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 71, 1916.
Localities: N. Y., N. J., Fla., Tenn.

2227. **Phlepsius turpiculus** Ball

Ball, Can. Ent., xxxii, p. 200, 1900.
Localities: Ont., N. Y., Neb. Colo.

2227½. **Phlepsius bifidus** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 89, 1917.
Locality: Wis.

2228. **Phlepsius irroratus** (Say)

Say, Jl. Acad. Sci. Phila., vi, p. 308, 1831; Compl. Writ., ii, p. 384, *Jassus.*
Harris *in* Hitchcock, Geol. Mass., edn. 2, p. 580, 1835, *Jassus.*
Fitch, Homop. N. Y. St. Cab., p. 62, 1851, *Jassus.*
Walker, List Homop., iii, p. 894, 1851; iv, p. 1164, 1852, *Jassus.*
Packard, Guide to Study of Insects, p. 532, 1869, *Jassus.*
Rathvon *in* Mombert, Hist. Lanc. Co., Pa., p. 551, 1869, *Jassus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 467, 1877; iv, p. 511, 1878, *Jassus.*
Lintner, 1st Rept. N. Y. St. Ent., p. 331, 1882, *Jassus.*
Uhler, Stand. Nat. Hist., ii, p. 245, 1884, *Allygus.*
Van Duzee, Can. Ent., xxi, p. 11, 1889, *Allygus.*
Van Duzee, Ent. Am., vi, p. 93, 1890.
Van Duzee, Psyche, v, p. 389, 1890.
Provancher, Pet. Faune Ent. Can., iii, p. 286, 1890, *Allygus.*
Provancher, Nat. Can., xix, p. 248, 1890, *Allygus.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 71, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 533, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.

Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 94, fig. 25, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 139, 1915.
Gibson, Can. Ent., xlviii, p. 178, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 72, 1916.
testudinarius Burmeister, Genera Ins., i, pl. 14, 1838, *Jassus*.
§*inornatus* Packard, U. S. Ent. Comm., Bul. 7, p. 80, 1881, *Jassus* (*inoratus*).
Packard, 5th Rept. U. S. Ent. Comm., p. 324, 1890, *Jassus*.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., N. C., Ohio, Tenn., Ill., Ia., Mo., Kans., Ark., Colo., Utah.

2229. **Phlepsius latifrons** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 66, 1892.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 70, 1916.
Localities: Md., Tenn.

2230. **Phlepsius collitus** Ball

Ball, Can. Ent., xxxv, p. 227, 1903.
Osborn, Ohio Nat., v, p. 275, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 142, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 73, 1916.
Localities: Ont., Me., Mass., N. Y., N. J., D. C., N. C., Fla., Ohio, Tenn., Iowa.

2230½. **Phlepsius tullahomi** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 73, 1916.
Locality: Tenn.

2231. **Phlepsius truncatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 72, 1892.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 225, 1909.
Smith, Cat. Ins. N. J., edn. 2, p. 105, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 72, 1916.
Localities: Pa., N. C., Fla., Tenn., Ia.

2231½. **Phlepsius torridus** Lthr.

Lathrop, Ohio Jl. Sci., xvii, p. 126, 1917.
Locality: S. C.

2232. **Phlepsius cinereus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 68, 1892.
Gillette and Baker, Hemip. Colo., p. 94, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 69, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 70, 1916.
Localities: N. C., Fla., Miss., Tenn., Mo., Texas, Colo. (West Indies.)

2233. **Phlepsius texanus** Bak.

Baker, Can. Ent., xxx, p. 31, 1898.
Locality: Texas.

2234. **Phlepsius lobatus** Osb.

Osborn, Proc. Ia. Acad. Sci., v, p. 247, 1898.
Locality: Ia.

2235. **Phlepsius punctiscriptus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 75, 1892.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 44, 1916.
Localities: Fla., Tenn., Kans., Texas.

2235½. **Phlepsius tennessa** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 75, 1916.
similis Lathrop, Ohio Jl. Sci., xvii, p. 128, 1917.
Localities: S. C., Tenn.

2236. **Phlepsius apertus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 76, 1892.
Osborn, 20th Rept. N. Y. St. Ent., p. 532, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Can. Ent., xl, p. 158, 1908.
?Gibson and Cogan, Ohio Jl. Sci., xvi, p. 75, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 140, 1915; Bul. 248, p. 79, 1916.
Localities: Quebec, Ont., Me., N. Y., Mo.(?), Br. Col.

2237. **Phlepsius fulvidorsum** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 62, 1851, *Jassus.*
Walker, List Homop., iii, p. 894, 1851, *Jassus.*
Van Duzee, Psyche, v, p. 390, 1890.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 74, 1892.
Southwick, Science, xix, p. 287, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 532, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Can. Ent., xl, p. 158, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 142, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 72, 1916.
Localities: Quebec., Ont., Me., N. Y., N. J., Pa., N. C, Ohio, Tenn., Ia., Mont., Texas.

2238. **Phlepsius optatus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 194, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 70, 1916.
Locality: Tenn.

2239. **Phlepsius rileyi** Bak.

Baker, Can. Ent., xxx, p. 32, 1898.
Locality: Texas.

2240. **Phlepsius fastuosus** Ball

Ball, Can. Ent., xxxvii, p. 210, 1905.
Locality: N. Mex.

2241. **Phlepsius slossoni** Ball

Ball, Can. Ent., xxxvii, p. 209, 1905.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Localities: N. C., Fla.

2242. **Phlepsius nudus** Ball

Ball, Can. Ent., xliii, p. 204, 1911.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Locality: Fla.

2243. **Phlepsius occidentalis** Bak.

Baker, Ent. News, ix, p. 66, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Localities: Calif., Wash.

2244. **Phlepsius nebulosus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 77, 1892.
Osborn and Ball, Proc. Dav. Acad. Sci., vii, p. 100, pl. 6, fig. 4, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 532, 1905.
Localities: N. H., Mass., N. Y., N. J., Fla., Miss., Ia., Dak., Neb., Colo., Manitoba.

2245. **Phlepsius dentatus** Bak.

Baker, Ent. News, ix, p. 65, 1898.
Locality: Md.

2246. **Phlepsius solidaginis** (Walk.)

Walker, List Homop., iii, p. 847, 1851, *Acocephalus.*
Van Duzee, Can. Ent., xli, p. 384, 1909.
humidus Van Duzee, Trans. Am. Ent. Soc., xix, p. 76, 1892.
Southwick, Science, xix, p. 288, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 199, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 223, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 532, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 143, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 74, 1916.
Localities: Ont., Me., N. H., Conn., N. Y., N. J., Pa., Md., Tenn.

2246½. **Phlepsius brunneus** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 74, 1916.
Locality: Tenn.

2247. **Phlepsius ramosus** (Bak.)

Baker, Can. Ent., xxix, p. 158, 1897, *Paraphlepsius.*
Localities: N. Y., Ohio.

Genus **Dorydiella** Bak.
Orthotype *floridana* Bak.

Baker, Can. Ent., xxix, p. 159, 1897.

2248. **Dorydiella floridana** Bak.

Baker, Can. Ent., xxix, p. 159, 1897.
Localities: Mass., Fla.

Genus **Acinopterus** Van D.
Haplotype *acuminatus* Van D.

Van Duzee, Psyche, v, p. 307, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 299, 1892.
Van Duzee, Can. Ent., xli, p. 384, 1909 (type citation).
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 89, 1916.

2249. **Acinopterus acuminatus** Van D.

Van Duzee, Psyche, vi, p. 308, 1892.
Gillette and Baker, Hemip. Colo., p. 94, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 69, 1907; ix, p. 225, 1909.
Osborn, Ohio Nat., ix, p. 466, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 534, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 54, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 23, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 89, 1916.

a. var. **inornatus** (Bak.)

Baker, Psyche, vii, Suppl., i, p. 13, 1895, *Phlepsius.*
variegatus Ball, Can. Ent., xxxv, p. 231, 1903.

b. var. **viridis** Ball

Ball, Can. Ent., xxxv, p. 231, 1903.

c. var. **brunneus** Ball

Ball, Can. Ent., xxxv, p. 231, 1903.
Localities: N. J., Pa., Md., D. C., N. C., Fla., Tenn., Colo., Utah, Ariz., Calif. (Neotropical.)

Genus **Allygus** Scott
Logotype *mixtus* (Fabr.)

Fieber, Kat. Eur. Cicad., p. 13, 1872 (catalogue name).
Scott, Ent. Mo. Mag., xii, p. 169, Dec. 1875 (for *mixtus* and *commutatus*).
Fieber, Cicad. d'Eur., i, p. 123, 1875; ii, pl. 13, 1876.
Melichar, Cicad. Mitt. Eur., p. 251, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 164, 1896.
Van Duzee, Check List Hemip., p. 73, 1916.
†*Jassus* Mayr, Tabellen, p. 34, 1884.
Puton, Cat. Hemip. Palae., edn. 3, p. 84, 1886.
Matsumura, Termes. Fuzet., xxv, pp. 356, 401, 1902.
Oshanin, Verz. Palae. Hemip., ii, p. 135, 1906.
Oshanin, Kat. Palae. Hemip., p. 107, 1912 (names *atomarius* Fabr. type).

2250. **Allygus gutturosus** (Ball)

Ball, Can. Ent., xlii, p. 307, 1910, *Thamnotettix.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914, *Thamnotettix.*
Locality: Calif.

Genus **Thamnotettix** Zett.
Logotype *prasinus* Fall.

Zetterstedt, Ins. Lapp., column 292, 1840.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866.
Stål, Hemip. Afr., iv, pp. 101, 122, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 81, 82, 1868.
Stål, Hemip. Fabr., ii, p. 82, 1869.
Sahlberg, Cicad., pp. 70, 207, 1871.
Scott, Ent. Mo. Mag., xii, p. 21, 1875.
Fieber, Cicad. d'Eur., i, p. 122, 1875; ii, pl. 12, 1876.
Mayr, Tabellen, p. 33, 1884.
Fieber, Revue d'Ent., iv, p. 59, 1885 (monograph European species).
Edwards, Trans. Ent. Soc. Lond. for 1888, pp. 33, 62.
Woodworth, Psyche, v, p. 75, 1888.
Provancher, Pet. Faune Ent. Can., iii, p. 283, 1889.
Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Melichar, Cicad. Mitt. Eur., p. 281, 1896.
Matsumura, Termes. Fuzet, xxv, p. 366, 1902.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 354, 1908.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 77, 1916.
†*Cicadula* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 506, 1866.

2251. **Thamnotettix kennicotti** (Uhl.)

Uhler, Proc. Am. Ent. Soc., ii, p. 161, 1863, *Jassus.*
Uhler, Stand. Nat. Hist., ii, p. 246, 1884.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Slosson, Ent. News, vi, p. 5, 1895.
Gillette and Baker, Hemip. Colo., p. 98, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 134, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 79, 1916.
Localities: Me., N. H., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Ohio, Tenn., Colo., Br. Col.

2252. **Thamnotettix subcupraeus** (Prov.)

Provancher, Nat. Can., iv, p. 277, 1872, *Jassus.*
Provancher, Pet. Faune Ent. Can., iii, p. 284, 1890.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 227, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.

Van Duzee, Can. Ent., xliv, p. 328, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Localities: Quebec., Ont., N. H., N. Y., N. J., Fla., Assiniboine.

2253. **Thamnotettix brittoni** Osb.

Osborn, Proc. Dav. Acad. Sci., x, p. 166, 1907.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 79, 1916.
Localities: Conn., N. C., Tenn.

2254. **Thamnotettix osborni** Ball

Ball, Can. Ent., xxxii, p. 337, 1900.
Localities: Neb., Colo.

2255. **Thamnotettix schwarzi** Ball

Ball, Can. Ent., xliii, p. 197, 1911 (spelled *schwartzi*).
Localities: Utah, Ariz.

2256. **Thamnotettix geminatus** Van D.

Van Duzee, Ent. Am., vi, p. 79, 1890.
Gillette and Baker, Hemip. Colo., p. 98, 1895.
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 96, fig. 26, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
†*laeta* Ashmead, Harriman Alaska Exped., viii, p. 134, 1904.
Localities: Colo., Calif., Wash., Alaska.

2257. **Thamnotettix fasciaticollis** (Stål)

Stål, Stet. Ent. Zeit., xxv, p. 86, 1864, *Jassus.*
Van Duzee, Psyche, vi, p. 306, 1892.
Localities: Calif.(?). (Mexico.)

2258. **Thamnotettix kirkaldyi** Ball

Ball, Can. Ent., xliii, p. 197, 1911.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2259. **Thamnotettix atropunctatus** Van D.

Van Duzee, Ent. Am., vi, p. 91, 1890.
Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2260. **Thamnotettix coquilletti** Van D.

Van Duzee, Ent. Am., vi, p. 77, 1890.
Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: Colo., Calif.

2261. **Thamnotettix heidemanni** Ball

Ball, Can. Ent., xxxii, p. 338, 1900.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: Colo., Calif.

2262. **Thamnotettix cockerelli** Ball

Ball, Can. Ent., xxxii, p. 339, 1900.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 134, 1915.
Localities: Me., Colo.

2263. **Thamnotettix morsei** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 134, 1915.
Locality: Me.

2264. **Thamnotettix graeculus** Ball

Ball, Can. Ent., xxxiii, p. 6, 1901.
Locality: Colo.

2265. **Thamnotettix clitellarius** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 309, 1831; Compl. Writ., ii, p. 384,
Harris *in* Hitchcock, Geol. of Mass., edn. 2, p. 580, 1835, *Jassus.* [*Jassus.*
Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Bythoscopus.*
Walker, List Homop., iii, p. 876, 1851, *Bythoscopus;* iv, p. 1164, 1852, *Jassus.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, pp. 359, 365, 1856, *Bythoscopus.*
Uhler, Stand. Nat. Hist., ii, p. 246, 1884.
Saunders, Ins. Inj. to Fruits, p. 188, 1886, *Bythoscopus.*
Van Duzee, Psyche, v, p. 389, 1890.
Provancher, Pet. Faune Ent. Can., iii, p. 284, 1890.
Harrington, Ottawa Nat., vi, p. 32, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Psyche, vi, p. 306, 1893.
Cockerell, Trans. Am. Ent. Soc., xx, p. 365, 1893, *Bythoscopus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 224, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta. Bul., 238, p. 134, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 78, 1916.
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., Ohio, Tenn., Mo., Kans., Colo.

2266. **Thamnotettix eburatus** Van D.

Van Duzee, Can. Ent., xxi, p. 10, 1889.
?Wirtner, Ann. Carn. Mus., iii, p. 224, 1904 (spelled *oburata*).
Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906; xl, p. 159, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 133, 1915.
?citronellus Provancher, Pet. Faune Ent. Can., iii, p. 283, 1890 (not of 1872).
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Localities: Ont., Me., N. Y., Pa.(?).

2267. **Thamnotettix furculatus** Osb.

Osborn, Ohio Nat., v, p. 275, 1905.
Locality: Ohio.

2268. **Thamnotettix pasadena** Ball

Ball, Can. Ent., xlvi, p. 212, 1914.
Locality: Calif.

2269. **Thamnotettix collaris** Ball

Ball, Can. Ent., xxxiv, p. 15, 1902.
exquisitos Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Locality: N. Y.

2270. **Thamnotettix mendicus** Ball

Ball, Can. Ent., xxxiv, p. 16, 1902.
Localities: Colo., Calif.

2271. **Thamnotettix rupinatus** Ball

Ball, Can. Ent., xliii, p. 199, 1911.
Locality: Calif.

2272. **Thamnotettix lucidus** Bak.

Baker, Psyche, vii, Suppl., i, p. 12, 1895.
Locality: N. Mex.

2273. **Thamnotettix intricatus** Ball

Ball, Can. Ent., xliii, p. 198, 1911.
Locality: Calif.

2274. **Thamnotettix montanus** Van D.

Van Duzee, Can. Ent., xxiv, p. 268, 1892.
Van Duzee, Psyche, vi, p. 306, 1892.
Gillette and Baker, Hemip. Colo., p. 99, 1895.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: Colo., Calif., Br. Col.

2275. **Thamnotettix belli** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 471, 1877, *Jassus.*
Van Duzee, Psyche, vi, p. 306, 1892.
Gillette and Baker, Hemip. Colo., p. 94, 1895.
Osborn, 20th Rept. N. Y. St. Ent., p. 534, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 135, 1915.
[*semipullatus* Van D., MS] Van Duzee, Psyche, vi, p. 306, 1892.
sonorae Gillette and Baker, Hemip. Colo., p. 100, 1895.
Baker, Ent. News, viii, p. 54, 1897.

a. var **gilletti** Van D.
Van Duzee, Can. Ent., xxiv, p. 267, 1892.
Van Duzee, Psyche, vi, p. 306, 1892.
Gillette and Baker, Hemip. Colo., p. 98, 1895.

b. var. **brunneus** Osb.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 135, 1915.
Localities: Quebec, Ont., Me., N. Y., N. C., Mich., Colo., Ariz., Br. Col.

2276. **Thamnotettix citrinifrons** G. & B.

Gillette and Baker, Hemip. Colo., p. 95, 1895.
Locality: Colo.

2277. **Thamnotettix aureolus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 213, 1894.
§*areolatus* Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914
Locality: Calif.

2278. **Thamnotettix aurantiacus** (Prov.)

Provancher, Nat. Can., iv, p. 377, 1872, *Jassus.*
Locality: Quebec.

2279. **Thamnotettix rufescens** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 135, 1915.
Locality: Me.

2280. **Thamnotettix flavocapitatus** Van D.

Van Duzee, Ent. Am., vi, p. 80, 1890.
Gillette and Baker, Hemip. Colo., p. 96, 1895 (spelled *flavicapitata*)
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Localities: Colo., Calif.

2281. **Thamnotettix waldanus** Ball

Ball, Can. Ent., xxxv, p. 229, 1903.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 133, 1915.
Localities: Ont., Me., Colo., Manitoba.

2282. **Thamnotettix januatus** Ball

Ball, Can. Ent., xlvi, p. 213, 1914.
Locality: Calif.

2283. **Thamnotettix limbatus** Van D.

Van Duzee, Ent. Am., vi, p. 92, 1890.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2284. **Thamnotettix perspicillatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 227, 1897.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 81, 1916.
Localities: Ia., Tenn.

2285. **Thamnotettix longulus** G. & B.

Gillette and Baker, Hemip. Colo., p. 97, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 226, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 82, 1916.
Localities: Pa., Tenn., Ia., Kans., Colo.

2286. **Thamnotettix atridorsum** Van D.

Van Duzee, Can. Ent., xxvi, p. 92, 1894.
Gillette and Baker, Hemip. Colo., p. 94, 1895.

a. var. **vescus** Ball
Ball, Can. Ent., xlii, p. 302, 1910.

b. var. **vetulus** Ball
Ball, Can. Ent., xlii, p. 302, 1910.
Localities: Colo., Utah, Calif.

2287. **Thamnotettix titusi** Ball

Ball, Can. Ent., xlii, p. 267, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.

a. var. **vivatus** Ball
Ball, Can. Ent., xlii, p. 302, 1910.
Localities: Nev., Calif., Oreg.

2288. **Thamnotettix vastulus** Ball

Ball, Can. Ent., xlii, p. 268, 1910.
Locality: Calif.

2289. **Thamnotettix vespertinus** Ball

Ball, Can. Ent., xlii, p. 301, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2290. **Thamnotettix visalius** Ball

Ball, Can. Ent., xlii, p. 301, 1910.
Van Duzee, Trans. San Diego So. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2291. **Thamnotettix gloriosus** Ball

Ball, Can. Ent., xlii, p. 303, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2292. **Thamnotettix chlamydatus** (Prov.)

Provancher, Pet. Faune Ent. Can., ii, p. 339, 1890, *Deltocephalus.*
Van Duzee, Ottawa Nat., xxvi, p. 68, 1912.
Van Duzee, Can. Ent., xliv, p. 329, 1912, *Athysanus.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 136, 1915.
infuscatus Gillette and Baker, Hemip. Colo., p. 98, 1895.
Osborn, 20th Rept. N. Y. St. Ent., p. 537, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
punctiscuta Gillette and Baker, Hemip. Colo., p. 99, 1895.
Baker, Ent. News, viii, p. 54, 1897.
Localities: Quebec, Me., N. H., N. Y., Mich., Colo.

2293. **Thamnotettix vapidus** Ball

Ball, Can. Ent., xlii, p. 305, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2294. **Thamnotettix dissimilatus** Ball

Ball, Can. Ent., xlii, p. 306, 1910.
Locality: Calif.

2295. **Thamnotettix ursinus** Ball

Ball, Can. Ent., xlii, p. 307, 1910.
Locality: Ore.

2296. **Thamnotettix languidus** Ball

Ball, Can. Ent., xxxiv, p. 17, 1902.
Locality: Calif.

2297. **Thamnotettix gemellus** Ball

Ball, Can. Ent., xlii, p. 303, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2298. **Thamnotettix generosus** Ball

Ball, Can. Ent., xlii, p. 304, 1910.
Locality: Calif.

2299. **Thamnotettix gerulus** Ball

Ball, Can. Ent., xlii, p. 304, 1910.
Localities: Calif., Ore.

2300. **Thamnotettix bullatus** Ball

Ball, Can. Ent., xxxiv, p. 17, 1902.
Locality: Calif.

2301. **Thamnotettix glomerosus** Ball

Ball, Can. Ent., xlii, p. 308, 1910.
Locality: Colo.

2302. **Thamnotettix shermani** Ball

Ball, Can. Ent., xxxv, p. 230, 1903.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 80, 1916.
Localities: N. C., Tenn.

2302¼. **Thamnotettix flavotinctus** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 82, 1916.
Locality: Tenn.

2302½. **Thamnotettix crumbi** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 81, 1916.
Locality: Tenn.

2303. **Thamnotettix orbonatus** Ball

Ball, Can. Ent., xxxv, p. 229, 1903.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Locality: Fla.

2304. **Thamnotettix caricis** G. & B.

Gillette and Baker, Hemip. Colo., p. 95, 1895.
lutea Gillette and Baker, Hemip. Colo., p. 106, 1895, *Cicadula.*
Baker, Ent. News, viii, p. 54, 1897.
Locality: Colo.

2305. **Thamnotettix melanogaster** (Prov.)

Provancher, Nat. Can., iv, p. 378, 1872, *Jassus.*
Provancher, Pet. Faune Ent. Can., iii, p. 284, 1890.
Van Duzee, Psyche, vi, p. 306, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 537, 1905.

Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 136, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 80, 1916.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., N. C., Ohio, Tenn.

2305½. **Thamnotettix stramineus** S. & D.
Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 90, 1917 (figures).
Locality: Wis.

2306. **Thamnotettix ciliatus** Osb.
Osborn, Proc. Ia. Acad. Sci., v, p. 244, 1898.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 138, 1915.
Localities: Me., Ia., Colo.

2307. **Thamnotettix decipiens** Prov.
Provancher, Pet. Faune Ent. Can., iii, p. 285, 1890.
Van Duzee, Psyche, vi, p. 306, 1892.
Osborn, 20th Rept. N. Y. St. Ent., p. 536, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 137, 1915.
Localities: Quebec, Me., N. Y., Utah, Br. Col.

2308. **Thamnotettix smithi** Van D.
Van Duzee, Can. Ent., xxiv, p. 266, 1892.
Van Duzee, Psyche, vi, p. 306, 1892.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 232, 1897.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906.
Localities: Ont., N. J., Ia.

2309. **Thamnotettix venditarius** Ball
Ball, Can. Ent., xlii, p. 266, 1910.
Localities: Utah, Nev.

2310. **Thamnotettix longiseta** Van D.
Van Duzee, Can. Ent., xxiv, p. 266, 1892.
Van Duzee, Psyche, vi, p. 306, 1892.
Gillette and Baker, Hemip. Colo., p. 99, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 232, 1897.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Localities: Ia., Colo., Calif.

2311. **Thamnotettix gladiolus** Ball
Ball, Can. Ent., xliii, p. 309, 1910.
Locality: Colo.

2312. **Thamnotettix fitchii** Van D.
Van Duzee, Ent. Am., vi, p. 133, 1890.
Smith, N. J. Agr. Exp. Sta., Bul. K, p. 42, fig. 62, 1890.
Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 535, 1905.

Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 105, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
Osborn, Me. Agr. Exp. Sta., Bul., 238, p. 137, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 79, 1916.
[*Cicadula 4-punctata* Fitch MS] in collections.
Localities: Me., N. Y., N. J., Pa., N. C., Ohio, Tenn., Ill., Ia., Kans.

2313. **Thamnotettix pallidulus** Osb.

Osborn, Proc. Ia. Acad. Sci., v, p. 245, 1898.
Locality: Ia.

2314. **Thamnotettix nigrifrons** (Forbes)

Forbes, 14th Rept. Ill. St. Ent., p. 67, pl. 5, fig. 3, 1864, *Cicadula.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 218, 1897 (part).
Osborn, U. S. Dept. Agr., Div. Ent., Bul. 108, p. 77, fig. 14, 1912 (part).
perpunctata Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 200, 212, 1894.
Baker, Psyche, viii, p. 116, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909.
Van Duzee, Can. Ent., xli, p. 128, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 25, 1915, *Deltocephalus.*
Localities: Mass., Conn., N. Y., N. J., Pa., N. C., Fla., Miss., La., Ohio, Ill., Ia., Colo.

2315. **Thamnotettix comatus** (Ball)

Ball, Can. Ent., xxxii, p. 343, 1900, *Deltocephalus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 69, 1907; ix, p. 228, 1909.
§*cornata* Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Localities: Fla. (West Indies, Mexico.)

2316. **Thamnotettix colonus** (Uhl.)

Uhler, Proc. Zool. Soc. Lond. for 1895, p. 80, *Deltocephalus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 69, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 533, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 51, 1916, *Deltocephalus.*
villicus Crumb, Ann. Ent. Soc. Am., viii, p. 194, 1915, *Athysanus.*
Localities: Fla. (West Indies.)

2317. **Thamnotettix emarginatus** G. & B.

Gillette and Baker, Hemip. Colo., p. 96, 1895.
Locality: Colo.

2318. **Thamnotettix inornatus** Van D.

Van Duzee, Trans. Am. Ent. Soc., xix, p. 303, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 536, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Can. Ent., xxxviii, p. 410, 1906; xl, p. 159, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 137, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 81, 1916.
Localities: Quebec, Ont., Me., N. Y., Tenn., Ia., Colo., Br. Col.

2318½. **Thamnotettix mellus** S. & D.
Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 91, 1917 (figures).
Locality: Wis.

2319. **Thamnotettix placidus** Osb.
Osborn, 20th Rept. N. Y. St. Ent., p. 536, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 138, 1915.
Localities: Me., N. Y.

2320. **Thamnotettix cypraceus** Osb.
Osborn, Proc. Ia. Acad. Sci., v, p. 245, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 538, 1905.
Localities: N. Y., Ia.

2320½. **Thamnotettix vittipennis** S. & D.
Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 91, 1917 (figures).
Locality: Wis.

2321. **Thamnotettix umbraticus** Ball
Ball, Can. Ent., xlii, p. 309, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Calif.

2322. **Thamnotettix chiragricus** Ball
Ball, Can. Ent., xxxii, p. 337, 1900.
Locality: Ariz.

2323. **Thamnotettix(?) luctuosus** Stål
Stål, Freg. Eugenes Resa, Ins., p. 292, 1859.
Locality: Calif.

Genus **Chlorotettix** Van D.
Orthotype *unicolor* (Fitch)

Van Duzee, Psyche, vi, p. 306, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Van Duzee, Can. Ent., xli, p. 384, 1909 (type citation).
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 83, 1916.

2324. **Chlorotettix unicolor** (Fitch)
Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Bythoscopus.*
Walker, List Homop., iv, p. 1161, 1852, *Bythoscopus.*
Uhler, Bul. U. S. Geol. Geog. Surv., iv, p. 511, 1878, *Jassus.*
Uhler, Stand. Nat. Hist., ii, p. 246, 1884, *Grypotes.*
Van Duzee, Can. Ent., xxi, p. 9, 1889, *Grypotes.*
Provancher, Pet. Faune Ent. Can., iii, p. 286, 1890, *Jassus.*
Van Duzee, Psyche, v, p. 390, 1890, *Grypotes.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Grypotes.*
Harrington, Ottawa Nat., vi, p. 32, 1892, *Thamnotettix.*
Southwick, Science, xix, p. 288, 1892, *Athysanus.*
Van Duzee, Psyche, vi, pp. 306, 308, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Gillette and Baker, Hemip. Colo., p. 103, 1895.
Gillette, Psyche, ix, p. 173, 1901.

Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 538, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Can. Ent., xl, p. 159, 1908; xli, p. 384, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 144, 1915; Bul. 248, p. 76, 1916.
vanduzei Baker, Can. Ent., xxx, p. 219, 1898.
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., D. C., Mo, Ia., Kans., Dak., Colo.

2325. **Chlorotettix vacunus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 196, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 88, 1916.
Locality: Tenn.

2326. **Chlorotettix spatulatus** O. & B.

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 225, pl. 26, fig. 4, 1897.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 86, 1916.
Localities: N. C., Fla., Tenn., Ia., Ohio, Neb., Kans., Colo.

2327. **Chlorotettix tergatus** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Bythoscopus.*
Walker, List Homop., iv, p. 1161, 1852, *Bythoscopus.*
Uhler, Stand. Nat. Hist., ii, p. 246, 1884, *Grypotes.*
Van Duzee, Psyche, v, p. 390, 1890, *Grypotes.*
Southwick, Science, xix, p. 288, 1892, *Athysanus.*
Van Duzee, Psyche, vi, pp. 306, 309, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 538, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 144, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 84, 1916.
a. var. **melanotus** DeL.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 84, 1916.
Localities: Ont., Me., N. Y., N. J., Pa., Fla., Ohio, Tenn., Mich Mo.

2327½. **Chlorotettix suturalis** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 85, 1916.
Locality: Tenn.

2328. **Chlorotettix rugicollis** Ball

Ball, Can. Ent., xxxv, p. 230, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 85, 1916.
Localities: N. J., Fla., Tenn., Texas.

2329. **Chlorotettix viridius** Van D.

Van Duzee, Psyche, vi, p. 309, 1892.
Southwick, Science, xix, p. 288, 1892, *Athysanus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 538, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 71, 1907; ix, p. 228, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 86, 1916.
§*viridis* Weed, Can. Ent., xxiv, p. 278, 1892.
Localities: N. Y., N. J., D. C., N. C., Ga., Fla., Tenn., Mo. (West Indies.)

2330. **Chlorotettix nacreosus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 196, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 89, 1916.
Locality: Tenn.

2331. **Chlorotettix galbanatus** Van D.

Van Duzee, Psyche, vi, p. 310, 1892.
Southwick, Science, xix, p. 288, 1892, *Athysanus.*
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 538, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 67, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 143, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 26, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 88, 1916.
†*unicolor* Baker, Can. Ent., xxx, p. 219, 1898.
Localities: Me., N. Y., N. J., Pa., N. C., Fla., Miss., Ohio, Tenn., Mo., Kans.

2332. **Chlorotettix balli** Osb.

Osborn, Proc. Ia. Acad. Sci., v, p. 246, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 539, 1905.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 87, 1916.
Localities: N. Y., D. C., Ohio, Tenn., Ia.

2333. **Chlorotettix minimus** Bak.

Baker, Can. Ent., xxx, p. 220, 1898.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 71, 1907; ix, p. 228, 1909.
Localities: Fla. (Neotropical.)

2334. **Chlorotettix vividus** Crmb.

Crumb, Ann. Ent. Soc. Am., viii, p. 197, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 88, 1916.
Locality: Tenn.

2334½. **Chlorotettix borealis** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 92, 1917 (figures).
Locality: Wis.

2335. **Chlorotettix tunicatus** Ball

Ball, Can. Ent., xxxii, p. 340, 1900.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 87, 1916.
Localities: Fla., Kans.

2336. **Chlorotettix lusorius** (O. & B.)

Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 226, 1897, *Thamnotettix.*
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 539, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905.
Slosson, Ent. News, xvii, p. 326, 1906.
Osborn, Me. Agr. Sta., Bul. 238, p. 144, 1915.
Localities: Quebec, Ont., Me., N. H., Mass., N. Y., Pa., Ohio, Ia., Colo.

2336½. **Chlorotettix delta** Ball

Ball, Ent. News, xxvii, p. 205, 1916.
Locality: Ariz.

2337. **Chlorotettix necopinus** Van D.

Van Duzee, Can. Ent., xxv, p. 282, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 76, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 84, 1916.
Localities: Miss., Fla., Tenn., Mo.

2338. **Chlorotettix stolatus** Ball

Ball, Can. Ent., xxxii, p. 341, 1900.
Locality: Colo.

2339. **Chlorotettix nudatus** Ball

Ball. Can. Ent., xxxii, p. 340, 1900.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 87, 1916.
Localities: Tenn., Ia.

2339½. **Chlorotettix iridescens** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, pp. 83, 86, 1916.
Locality: Tenn.

DIVISION *JASSARIA* (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892, *Jassini.* (Tribe.)
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 324, 1906; iii, p. 73, 1907, *Jas-*
Distant, Fauna Brit. Ind., Rhyn., iv, p. 321, 1908, *Jassusaria.* [*sini.* (Tribe.)
Distant, Trans. Linn. Soc., Zool., xiii, p. 46, 1909, *Jassusaria.*
Baker, Phil. Jl. Sci., x, Sec. D., p. 49, 1915. (Key.)
Coelididae Dohrn, Cat. Hemip., p. 84, 1859.

Genus **Jassus** Fabr.
Orthotype *nervosus* Fabr.

Fabricius, Syst. Rhyng., p. 85, 1803.
Stål, Hemip. Afr., iv, p. 119, 1866.
Stål, Hemip. Fabr., ii, p. 78, 1869.
Stål, Of. Vet. Akad. Forh., xxvii, p. 735, 1870.
Spångberg, Of. Vet. Akad. Forh., xxxv, No. 8, p. 3, 1878.
Berg, Hemip. Argent., p. 265, 1879.
Uhler, Stand. Nat. Hist., ii, p. 245, 1884.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 74, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 327, 1908.
Baker, Phil. Jl. Sci., x, Sec. D, p. 53, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 90, 1916.
Coelidia Germar, Mag. d. Ent., iv, pp. 38, 75, 1821.
Germar, Silb. Revue Ent., i, p. 181, 1833.
Burmeister, Handb. d. Ent., ii, pp. 105, 113, 1835.
Burmeister, Genera Ins., i, pl. 15, 1838.
Amyot and Serville, Hémip., p. 583, 1843.
Stål, Of. Vet. Akad. Forh., xix, p. 494, 1862.
Deridna Walker, List Homop., Suppl., p. 319, 1858.
Stål, Of. Vet. Akad. Forh., xix, p. 487, 1862.

2340. **Jassus olitorius** Say

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 310, 1831; Compl. Writ., ii, p. 385.
Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Coelidia*.
Walker, List Homop., iv, p. 1161, 1852, *Coelidia*.
Uhler *in* Heilprin's Bermuda Isds., p. 154, 1889, *Coelidia*.
Van Duzee, Psyche, v, p. 389, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Coelidia*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Snow, Kans. Univ. Sci. Bul., ii, p. 350, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 539, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 228, 1909.
Van Duzee, Can. Ent., xli, p. 128, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 145, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 91, 1916.
♀*subbifasciatus* Say, Jl. Acad. Nat. Sci., Phila., vi, p. 310, 1831; Compl. [Writ., ii, p. 385.
Fitch, Homop. N. Y. St. Cab., p. 58, 1851, *Coelidia*.
Walker, List Homop., iv, p. 1161, 1852, *Coelidia*.
Glover, U. S. Dept. Agr., Rept. for 1876, p. 32, *Coelidia*.
Spångberg, Of. Vet. Akad. Forh., xxxv, No. 8, p. 16, 1878.
Van Duzee, Psyche, v, p. 389, 1890 (as female of *olitorius*).
Provancher, Pet. Faune Ent. Can., iii, p. 292, 1890, *Idiocerus*.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892, *Coelidia*.

Harrington, Ottawa Nat., vi, p. 31, 1892, *Pediopsis.*
Southwick, Science, xix, p. 288, 1892.
fuscipennis Spångberg, Of. Vet. Akad. Forh., xxxv, No. 8, p. 20, 1878.
§*semifasciata* Uhler, Stand. Nat. Hist., ii, p. 245, fig. 311, 1884, *Coelidia.*
Localities: Ont., Me., N. Y., N. J., Pa., N. C., Fla., Mo., Kans Ariz. (Bermudas.)

2341. **Jassus borealis** Spangb.

Spångberg, Of. Vet. Akad. Forh., xxxvi, No. 6, p. 24, pl. 16, fig. 8, 1879.
Locality: "Am. Borealis."

2342. **Jassus melanotus** Spangb.

Spångberg, Of. Vet. Akad. Forh., xxxv, No. 8, p. 19, 1878.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 90, 1916.
Localities: Ga., Tenn.

Genus **Neocoelidia** G. & B.
Orthotype *tumidifrons* G. & B.

Gillette and Baker, Hemip. Colo., p. 103, 1895.
Baker, Can. Ent., xxx, p. 289, 1898.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 74, 1907.
Baker, Philip. Jl. Sci., x, sec. D, p. 51, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 91, 1916.

2343. **Neocoelidia tumidifrons** G. & B.

Gillette and Baker, Hemip. Colo., p. 104, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 183, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 145, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 91, 1916.
Localities: Me., N. J., Tenn., Fla., Ia., Colo., Texas.

2344. **Neocoelidia candida** Ball

Ball, Ent. News, xx, p. 166, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 55, 1914.
Locality: Colo.

2344½. **Neocoelidia orovila** Ball

Ball, Ent. News, xxvii, p. 206, 1916.
Locality: Calif.

2345. **Neocoelidia lactipennis** (Van D.)

Van Duzee, Ent. Am., vi, p. 49, 1890, *Jassus.*
Locality: Calif.

2345½. **Neocoelidia ramona** Ball

Ball, Ent. News, xxvii, p. 206, 1916.
Locality: Calif.

2346. **Neocoelidia reticulata** Ball

Ball, Ent. News, xx, p. 167, 1909.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Localities: Colo., Utah, Calif.

2347. **Neocoelidia pallida** Bak.
Baker, Can. Ent., xxx, p. 290, 1898.
Localities: Ariz., Calif.

2348. **Neocoelidia lineata** Bak.
Baker, Can. Ent., xxx, p. 289, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Localities: Colo., Calif., Ore.

2349. **Neocoelidia compta** Ball
Ball, Ent. News, xx, p. 167, 1909.
Locality: N. Mex.

2350. **Neocoelidia barretti** Bak.
Baker, Can. Ent., xxx, p. 291, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
pulchella Ball, Ent. News, xx, p. 168, 1909.
Localities: Calif. (Mexico.)

2351. **Neocoelidia tripunctata** Ball
Ball, Ent. News, xx, p. 168, 1909.
Locality: Ariz.

2351½. **Neocoelidia pentagona** Ball
Ball, Ent. News, xxvii, p. 207, 1916.
Locality: Ore.

2352. **Neocoelidia obscura** Bak.
Baker, Can. Ent., xxx, p. 289, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Localities: Texas, Ariz., Calif.

2352½. **Neocoelidia triunata** Ball
Ball, Ent. News, xxvii, p. 207, 1916.
Locality: Utah.

Genus **Paracoelidea** Bak.
Orthotype *tuberculata* Bak.

Baker, Can. Ent., xxx, p. 292, 1898.
Baker, Philip. Jl. Sci., x, sec. D, p. 51, 1915.

2353. **Paracoelidea tuberculata** Bak.
Baker, Can. Ent., xxx, p. 292, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 539, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
Localities: Mass., N. Y., Md., D. C., N. C., Fla., Ala.

Genus **Tinobregmus** Van D.
Haplotype *vittatus* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 213, 1894.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 74, 1907.
Van Duzee, Can. Ent., xli, p. 384, 1909 (type citation).
Barker, Philip. Jl. Sci., x, sec. D, p. 51, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 92, 1916.

2354. **Tinobregmus vittatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 214, 1894.
Baker, Can. Ent., xxx, p. 289, 1898.
Osborn, Ohio Nat., iv, p. 9, 1903.
Van Duzee, Can. Ent., xli, p. 128, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
Localities: Va., N. C., Fla., La., Texas. (Bermudas.)

2354½. **Tinobregmus viridescens** DeL.

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 92, 1916 (spelled *viridiscens*).
Locality: Tenn.

2355. **Tinobregmus pallidus** Osb.

Osborn, Ohio Nat., xi, p. 261, 1910.
Locality: Texas.

DIVISION *CICADULARIA* (Van D.)

Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892, *Cicadulini* (Tribe).
Distant, Fauna Brit. Ind., Rhyn., iv, p. 366, 1908.
Van Duzee, Check List Hemip., p. 75, 1916. (Tribe.)
Macrostelini Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 342, 1906.

Genus **Cicadula** Zett.
Logotype *sexnotata* Fall.

Zetterstedt, Ins. Lapp., column 296, 1840.
Fieber, Kat. Eur. Cicad., p. 10, 1872.
Fieber, Cicad. d'Eur., i, p. 119, 1875; ii, pl. 12, 1876.
Mayr, Tabellen, p. 31, 1884.
Fieber, Revue d'Ent., iv, p. 40, 1885 (monograph European spp.).
Woodworth, Psyche, v, p. 75, 1888 (names *quadrinotata* Fabr. type, valid?).
Provancher, Pet. Faune Ent. Can., iii, p. 287, 1890.
Edwards, Ent. Mo. Mag., xxvii, p. 27, 1891.
Van Duzee, Psyche, vi, p. 305, 1892.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Melichar, Cicad. Mitt. Eur., p. 307, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 180, 1896.
Matsumura, Termes. Fuzet., xxv, p. 361, 1902.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 366, 1908.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 93, 1916.
Macrosteles Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 504, 1866.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 358, 1906.
Thamnus Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866.
Limotettix Sahlberg, Cicad., p. 224, 1871 (part).

2356. **Cicadula punctifrons** (Fall.)

Fallén, Hemip. Suec., Cicad., p. 42, 1826, *Cicada*.
Boheman, Kong. Vet. Akad. Handl. for 1847, p. 33, *Thamnotettix*.
Flor, Rhyn. Livl., ii, p. 328, 1861, *Jassus*.
Kirschbaum, Cicad. v. Wiesbd., p. 88, 1868, *Thamnotettix*.
Sahlberg, Cicad., p. 244, 1871, *Limotettix*.
Fieber, Revue d'Ent., iv, pp. 50, 58, 1885.

Edwards, Ent. Mo. Mag., xxvii, p. 31, 1891.
Van Duzee, Psyche, vi, p. 305, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894.
Melichar, Cicad. Mitt. Eur., p. 34, pl. 11, figs. 1–4, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 185, pl. 21, fig. 3, 1896.
Osborn, 20th Rept. N. Y. St. Ent., p. 540, 1905.
Van Duzee, Can. Ent., xl, p. 159, 1908.

a. var. **repleta** Fieb.

Fieber, Revue d'Ent., iv, p. 49, 1885.
Horvath, Ann. Mus. Natl. Hung., vi, p. 566, 1908, *Macrosteles.*
americana Van Duzee, Can. Ent., xxiii, p. 169, 1891.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894.
Slosson, Ent. News, xiii, p. 321, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 540, 1905.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 93, 1916.
Localities: N. H., N. Y., Pa., Tenn., Ia., Colo.

2357. **Cicadula laeta** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 360, 1876; iii, p. 473, 1877, *Jassus.*
Van Duzee, Can. Ent., xxiv, p. 268, 1892, *Thamnotettix(?).*
Van Duzee, Psyche, vi, p. 306, 1892, *Thamnotettix.*
Gillette and Baker, Hemip. Colo., p. 98, 1895, *Thamnotettix.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
vanduzei Gillette and Baker, Hemip. Colo., p. 103, 1895, *Eutettix.*
Localities: Colo., Calif.

2358. **Cicadula variata** (Fall.)

Fallén, Acta Holm, xxvii, p. 34, 1806, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 48, 1826, *Cicada.*
Herrich–Schaeffer, Nomen. Ent., i, p. 70, 1835, *Jassus.*
Kirschbaum, Cicad. v. Wiesbd., p. 99, 1868, *Thamnotettix.*
Sahlberg, Cicad., p. 250, 1871, *Limotettix.*
Fieber, Revue d'Ent., iv, p. 51, 1885.
Van Duzee, Psyche, vi, p. 305, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Gillette and Baker, Hemip. Colo., p. 107, 1895.
Slosson, Ent. News, vii, p. 265, 1896.
Melichar, Cicad. Mitt. Eur., p. 312, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 185, pl. 21, fig. 6, 1896.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 540, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Can. Ent., xl, p. 159, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 145, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 94, 1916.
fumatus Herrich–Schaeffer, Fauna Germ., fasc. 153, 5, 1838, *Jassus.*
Localities: Quebec, Ont., Me., N. H., Conn., N. Y., N. J., Pa., Ohio, Tenn., Kans., Colo.

2359. **Cicadula lepida** Van D.

Van Duzee, Can. Ent., xxvi, p. 139, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 540, 1905.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 94, 1916.
Localities: N. Y., Tenn., Kans.

2360. **Cicadula suffusa** Osb.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 146, 1915.
Localities: Ont., Me., Ill.

2361. **Cicadula arcuata** G. & B.

Gillette and Baker, Hemip. Colo., p. 105, 1895.
Van Duzee, Can. Ent., xl, p. 159, 1908.
†*lepida*(?) Van Duzee, Can. Ent., xxxviii, p. 411, 1906.
Localities: Quebec, Ont., Mass., Colo., Br. Col.

2362. **Cicadula sexnotata** (Fall.)

Fallén, Acta Holm, xxvii, p. 34, 1906, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 47, 1826, *Cicada.*
Burmeister, Genera Ins., pl. 14, 1838, *Jassus.*
Zetterstedt, Ins. Lapp., column 297, 1840.
Stål, Stet. Ent. Zeit., xix, p. 194, 1858, *Thamnotettix.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 504, 1866, *Macrosteles.*
Kirschbaum, Cicad. v. Wiesbd., p. 95, 1868, *Thamnotettix.*
Sahlberg, Cicad., p. 247, 1871, *Limotettix.*
Fieber, Revue d'Ent., iv, p. 47, 1885.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 76, *Limotettix.*
Woodworth, Psyche, v, p. 75, 1888.
Provancher, Pet. Faune Ent. Can., iii, p. 287, 1890.
Van Duzee, Psyche, vi, p. 305, 1892.
Slosson, Ent. News, v, p. 5, 1894.
Gillette and Baker, Hemip. Colo., p. 107, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 539, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 73, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Can. Ent., xl, p. 159, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Osborn, U. S. Dept. Agr., Bur. Ent., Bul. 108, p. 97, fig. 27, 1912.
Van Duzee, Can. Ent., xliv, p. 328, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 147, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 248, p. 59, 1916.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 95, 1916.
4-lineata Forbes, Rept. Ill. St. Ent., xiv, p. 68, pl. 5, fig. 4, 1884
Van Duzee, Can. Ent., xxi, p. 9, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.

Davis, Mich. Agr. Exp. Sta., Bul. 102, p. 8, pl. 1, fig. 1, 1893.
Localities: Quebec, Ont., Me., N. H., Mass., Conn., N. Y., N. J., Pa., D. C., N. C., S. C., Ga., Fla., Ala., Miss., Ohio, Tenn., Mich., Ind., Ill., Tenn., N. D., S. D., Ia., Wyo., Mont., Kans., Ark., Okl., Colo., N. Mex., Texas, Ariz., Calif., Wash., Br. Col., Alaska.

2363. **Cicadula pallida** Osb.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 146, 1915.
Locality: Me.

2364. **Cicadula divisa** (Uhl.)
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 472, 1877, *Jassus.*
Gillette and Baker, Hemip. Colo., p. 106, 1895.
Slosson, Ent. News, xiii, p. 321, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Localities: N. H., Pa., Colo.

2365. **Cicadula fascifrons** (Stål)
Stål, Stet., Ent. Zeit., xix, p. 194, 1858, *Thamnotettix.*
Fieber, Revue d'Ent., iv, pp. 48, 57, 1885.
Edwards, Ent. Mo. Mag., xxvii, p. 31, 1891.
Ashmead, Harriman Alaska Exped., viii, p. 133, 1904.
Matsumura, Termes. Fuzet., xxv, p. 363, 1910.
warioni Lethierry, Soc. d'Hist. Nat. Moselle for 1879.
Fieber, Revue d'Ent., iv, pp. 53, 58, 1885.
Horvath, Termes Fuzet., xiv, p. 366, 1899.
Locality: Alaska.

2366. **Cicadula lineatifrons** (Stål)
Stål, Stet. Ent. Zeit., xix, p. 195, 1858, *Thamnotettix.*
Fieber, Revue d'Ent., iv, pp. 85, 109, 1885, *Thamnotettix.*
Ashmead, Harriman Alaska Exped., viii, p. 134, 1904.
Van Duzee, Can. Ent., xl, p. 159, 1909.
Localities: Quebec, Alaska.

2367. **Cicadula ungae** Ashm.
Ashmead, Harriman Alaska Exped., viii, p. 134, 1904.
Locality: Alaska.

2368. **Cicadula slossoni** Van D.
Van Duzee, Can. Ent., xxv, p. 281, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 200, 1894.
Osborn, 20th Rept. N. Y. St. Ent., p. 540, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 555, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 147, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
Localities: Ont., Me., N. H., N. Y., N. C., Br. Col.

2369. **Cicadula potoria** Ball
Ball, Can. Ent., xxxii, p. 346, 1900.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 147, 1915.
Localities: Me., N. Y., Ia.

[**Cicadula macgillivrayi** Baker MS]
Osborn, 20th Rept. N. Y. St. Ent., p. 541, 1905.
Locality: N. Y.

Genus **Balclutha** Kirk.
Haplotype *punctatus* Thunb.

Kirkaldy, Entomologist, xxxiii, p. 243, 1900 (n.n. for *Gnathodus* Fieb.).
Distant, Fauna Brit. Ind., Rhyn., iv, p. 268, 1908.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 95, 1916.
‖*Gnathodus* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866 (type *punc-*
Sahlberg, Cicad., pp. 70, 203, 1871. [*tatus* Thunb.).
Fieber, Cicad. d'Eur., i, p. 118, 1875; ii, pl. 12, 1876.
Mayr, Tabellen, p. 31, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 77.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 300, 1892.
Baker, Can. Ent., xxviii, p. 35, 1896 (synopsis of Am. species).
Melichar, Cicad. Mitt. Eur., p. 313, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 190, 1896.
Matsumura, Termes. Fuzet., xxv, p. 356, 1902.

2370. **Balclutha punctata** (Thunb.)

Thunberg, Acta Upsala, iv, p. 21, 1782, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 55, 1826, *Cicada.*
Walker, List Homop., iii, p. 877, 1851, *Jassus.*
Flor, Rhyn. Livl., ii, p. 320, 1861, *Jassus.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 505, 1866, *Gnathodus.*
Kirschbaum, Cicad. v. Wiesbd., p. 90, 1868, *Thamnotettix.*
Sahlberg, Cicad., p. 204, 1871, *Gnathodus.*
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 77, *Gnathodus.*
Provancher, Pet. Faune Ent. Can., iii, p. 301, 1890, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Gnathodus.*
Baker, Can. Ent., xxviii, p. 41, 1896, *Gnathodus.*
Melichar, Cicad. Mitt. Eur., p. 314, pl. 12, figs. 5–8, 1896, *Gnathodus.*
Edwards, Hemip. Homop. Brit. Isds., p. 191, pl. 21, fig. 10, 1896, *Gnathodus.*
Matsumura, Termes. Fuzet., xxv, p. 358, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904, *Gnathodus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 541, 1905, *Gnathodus.*
Distant, Fauna Brit. Ind., Rhyn., iv, p. 368, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 149, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 248, p. 79, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 96, 1916.
clypeata Curtis, Brit. Ent., xiv, pl. 640, 1837, *Eupteryx.*
spreta Zetterstedt, Ins. Lapp., column 298, 1840, *Cicadula.*
[*Typhlocyba vernalis* Fitch MS] in collections.
rosea Provancher, Nat. Can., iv, p. 378, 1872, *Typhlocyba.*
jacosa Provancher, Pet. Faune Ent. Can., iii, p. 300, 1890, *Typhlocyba.*
Localities: Quebec, Ont., Me., N. H., N. Y., N. J., Pa., D. C., N. C., Tenn., Mich., Mo., Colo., Br. Col.

2371. **Balclutha osborni** Van D.

Van Duzee, Check List Hemip., p. 75, 1916 (n.n. for *viridis* Osb.)
‖*viridis* Osborn, 20th Rept. N. Y. St. Ent., p. 541, 1905, *Gnathodus.*

Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Gnathodus.*
Van Duzee, Can. Ent., xxxviii, p. 411, 1906.
Moore, Can. Ent., xxxix, p. 190, 1907.
Localities: Quebec, Ont., N. Y.

2372. **Balclutha confusa** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 104, 1895, *Gnathodus.*
Baker, Can. Ent., xxviii, p. 40, 1896, *Gnathodus.*
Localities: Colo., Texas.

2373. **Balclutha impicta** (Van D.)

Van Duzee, Can. Ent., xxiv, p. 113, 1892, *Gnathodus.*
Baker, Can. Ent., xxviii, p. 38, 1896, *Gnathodus.*
Wirtner, Ann. Carn. Mus., iii, p. 225, 1904, *Gnathodus.*
Osborn, 20th Rept. N. Y. St. Ent., p. 541, 1905, *Gnathodus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Gnathodus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 149, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 96, 1916.

a. var. **flavus** (Bak.)
Baker, Can. Ent., xxviii, p. 38, 1896, *Gnathodus.*

b. var. **medius** (Bak.)
Baker, Can. Ent., xxviii, p. 38, 1896, *Gnathodus.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 96, 1916.
Localities: Ont., Me., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Ohio, Tenn., Ill., Mo., Kans., Calif., Wash.

2374. **Balclutha occidentalis** (Bak.)

Baker, Can. Ent., xxviii, p. 41, 1896, *Gnathodus.*
Locality: Wash.

2375. **Balclutha manitou** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 105, 1895, *Gnathodus.*
Baker, Can. Ent., xxviii, p. 39, 1896, *Gnathodus.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Gnathodus.*
Locality: Colo.

2376. **Balclutha livingstoni** (Bak.)

Baker, Can. Ent., xxviii, p. 42, 1896, *Gnathodus.*
Locality: Vanc. Isd.

Genus **Eugnathodus** Bak.
Orthotype *abdominalis* (Van D.)

Baker, Invert. Pacifica, i, p. 1, 1903.

2377. **Eugnathodus abdominalis** (Van D.)

Van Duzee, Can. Ent., xxiv, p. 113, 1892, *Gnathodus.*
Gillette and Baker, Hemip. Colo., p. 104, 1895, *Gnathodus.*
Baker, Can. Ent., xxviii, p. 36, 1896, *Gnathodus.*

Baker, Invert. Pacifica, i, p. 2, 1903.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Gnathodus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 106, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 27, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 95, 1916, *Balclutha.*

a. var. **magnus** Bak.
Baker, Invert. Pacifica, i, p. 2, 1903.
Localities: N. Y., N. J., Fla., Ohio, Tenn., Kans., Texas, Ill., Colo., Calif., Br. Col. (the var. from Nicaragua).

2378. **Eugnathodus nevadensis** Bak.

Baker, Invert. Pacifica, i, p. 1, 1903.
Locality: Nev.

TRIBE *TYPHLOCYBINI* (Kirschb.)

Kirschbaum, Cicad. v. Wiesbd., p. 16, 1868, Subfam. *Typhlocybidae.*
Sahlberg, Cicad., p. 69, 1871, Tribe *Typhlocybides.*
Fieber, Kat. Europ. Cicad., p. 14, 1872, *Typhlocybae.*
Fieber, Cicad. d'Europ., i, p. 118, 1875, *Typhlocybae.*
Fieber, Revue d'Ent., iii, p. 40, 1884 (monograph European species).
Puton, Cat. Hemip. Palae., p. 86, 1886, Tribe *Typhlocybini.*
Woodworth, Psyche, v, p. 211, 1889, Group *Typhlocybini.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 298, 1892, Subfam. *Typhlocybina.*
Melichar, Cicad. Mitt. Europ., p. 132, 1896, Subfam. *Typhlocybini.*
Oshanin, Verz. Palae. Hemip., ii, p. 187, 1907, Subfam. *Typhlocybina.*
Distant, Fauna Br. Ind., Rhyn., iv, p. 399, 1908, Subfam. *Typhlocybinae.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909, Subfam. *Typhlocybinae.*
Oshanin, Kat. Palae. Hemip., p. 111, 1912, Subfam. *Typhlocybinae.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 149, 1915. [(Subfamily.)
Eupteryginae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul. 1, p. 356, 1906.

DIVISION *EMPOASCARIA* Dist.

Distant, Fauna Br. Ind., Rhyn., iv, p. 399, 1908.

Genus **Protalebra** Bak.
Orthotype *curvilinea* Gill.

Baker, Psyche, viii, p. 402, 1899.

2379. **Protalebra brasiliensis** Bak.

Baker, Psyche, viii, p. 405, 1899.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 76, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Locality: Fla.

Genus **Alebra** Fieb.
Logotype *albostriella* (Fall.)

Fieber, Kat. Europ. Cicad., p. 14, 1872 (n.n. for *Compsus* Fieb.).
Fieber, Cicad. d'Europ., i, p. 125, 1875; ii, pl. 13, 1876.

Fieber, Revue d'Ent., iii, p. 40, 1884.
Mayr, Tabellen, p. 36, 1884.
Woodworth, Psyche, v, p. 213, 1889.
Melichar, Cicad. Mitt. Europ., p. 316, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 192, pl. 2, fig. 18, 1896.
Gillette, Proc. U. S. Natl. Mus., xx, p. 710, 1898.
Baker, Psyche, viii, p. 402, 1899.
†*Typhlocyba* Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 392, 1856.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864.
‖*Compsus* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 507, 1866.
Sahlberg, Cicad., p. 155, 1871.

2380. **Alebra albostriella** (Fall.)

Fallén, Hemip. Suec., Cicad., p. 54, 1826, *Cicada.*
Flor, Rhyn. Livl., ii, p. 382, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 177, 1868, *Typhlocyba.*
Sahlberg, Cicad., p. 156, 1871, *Compsus.*
Fieber, Revue d'Ent., iii, p. 40, 1884.
Melichar, Cicad. Mitt. Europ., p. 316, pl. 12, figs. 9, 10, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 193, pl. 22, fig. 1, 1896.
Gillette, Proc. U. S. Natl. Mus., xx, p. 713, 1898.
Horvath, Ann. Mus. Natl. Hung., i, p. 556, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 541, 1905.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 97, 1916.
elegantula Zetterstedt, Fauna Lapp., i, p. 536, 1828, *Cicada.*
Zetterstedt, Ins. Lapp., column 298, 1840, *Cicadula.*
pallidula Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864, *Typhlocyba.*
§*pallida* Woodworth, Psyche, v, p. 213, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 309, 1894.
Gillette, Proc. U. S. Natl. Mus., xx, p. 713, 1898.
Oshanin, Verz. Palae. Hemip., ii, p. 187, 1907.

a. var. **fulveola** (H. S.)

Herrich-Schaeffer, Fauna Germ., cxiv, No. 16, 1839, *Typhlocyba.*
Flor, Rhyn. Livl, ii, p. 384, 1860, *Typhlocyba.*
Sahlberg, Cicad., p. 158, 1871, *Compsus.*
Fieber, Revue d'Ent., iii, p. 41, 1884.
Melichar, Cicad. Mitt. Europ., p. 317, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 193, pl. 22, fig. 2, 1896.
Gillette, Proc. U. S. Natl. Mus., xx, p. 714, 1898.
flavocephala Kupka, Ent. Nachr., xxv, p. 33, 1899.
aurea Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894.
Gillette, Proc. U. S. Natl. Mus., xx, p. 713, 1898 (*aurata*).
Oshanin, Kat. Palae., Hemip., p. 111, 1912 (*aureata*).
Localities: Ont., Mass., N. Y., Pa., Va., N. C., Ohio, Tenn., Mich., Ill.

2381. **Alebra binotata** (Walsh)

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864, *Typhlocyba.*
[May not be distinct from preceding.]
Locality: Ill.

2382. **Alebra fumida** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 714, 1898.
Locality: N. Y.

Genus **Dikraneura** Hardy
Haplotype *variata* Hardy

Hardy, Trans. Tyneside Nat. Field Club, i, p. 423, 1850.
Puton, Cat. Hémip. Palae., edn. 3, p. 86, 1886, *Dicraneura.*
Woodworth, Psyche, v, p. 213, 1889, *Dicraneura.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 311, 1894, *Dicraneura.*
Melichar, Cicad. Mitt. Europ., p. 320, 1896, *Dicraneura.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 715, 1898, *Dicraneura.*
Kirkaldy, Entomol., xxxiv, p. 6, 1901.
Chloroneura Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864.
‖*Notus* Fieber, Verh. Zool.-Bot. Ges. Wien., xvi, p. 508, 1866.
Sahlberg, Cicad., p. 162, 1871.
‡*Dicranoneura* Douglas, Ent. Mo. Mag., xii, p. 27, 1875.

2383. **Dikraneura maculata** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 716, 1898.
Localities:

2384. **Dikraneura cruentata** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 717, 1898.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 150, 1915.
Localities: Me., N. Y., Colo., Vanc. Isds.

2385. **Dikraneura unipuncta** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 718, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Locality: Calif.

2386. **Dikraneura mali** (Prov.)
Provancher, Pet. Faune Ent. Can., iii, p. 298, 1890, *Erythroneura.*
Van Duzee, Can. Ent., xliv, p. 329, 1912.
communis Gillette, Proc. U. S. Natl. Mus., xx, p. 718, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 150, 1915.
Localities: Quebec, Me., N. Y., Ohio, Mich., Ill., Colo.

2387. **Dikraneura abnormis** (Walsh)
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 316, 1864, *Chloroneura.*
Woodworth, Psyche, v, p. 213, 1889.
Gillette, Proc. U. S. Natl. Mus., xx, p. 719, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 98, 1916.

a. var. **rufula** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 720, 1898.
Localities: Conn., Pa., D. C., N. C., Ga., Ill., Tenn., Mo., Kans., Texas.

2387½. **Dikraneura flavipennis** (Zett.)
Zetterstedt, Fauna Lapp., p. 292, 1828, *Cicada.*
Zetterstedt, Ins. Lapp., column 292, 1840, *Cicada.*
Flor, Rhyn. Livl., ii, p. 388, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 180, 1868, *Typhlocyba.*
Sahlberg, Cicad., p. 163, 1871, *Notus.*
Fieber, Revue d'Ent., iii, p. 51, 1884, *Notus.*
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 81.
Melichar, Cicad. Mitt. Eur., p. 323, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 195, pl. 22, fig. 4, 1896.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 232, 1897.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
orichalcea Dahlbom, Kong. Vet. Akad. Handl. for 1850, p. 183, *Cicadula.*
armata Buckton, Monog. Brit. Cicad., ii, p. 107, pl. 63, fig. 3, 1891.
Localities: N. Y., Ia. (Europe.)

2388. **Dikraneura cockerellii** Gill.
Gillette, Psyche, vii, Suppl., 1, p. 14, 1895.
Cockerell, N. Mex. Agr. Exp. Sta., Bul. 19, p. 114, 1896
Gillette, Proc. U. S. Natl. Mus., xx, p. 720, 1898.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914
Localities: N. Mex., Calif.

2389. **Dikraneura kunzei** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 721, 1898.
Locality: Ariz.

2390. **Dikraneura sanguinea** (G. & B.)
Gillette and Baker, Hemip. Colo., p. 112, 1895, *Typhlocyba.*
Locality: Colo.

2391. **Dikraneura tricolor** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Locality: Calif.

2392. **Dikraneura carneola** (Stål)
Stål, Stet. Ent. Zeit., xix, p. 196, 1858, *Typhlocyba.*
Fieber, Kat. Europ. Cicad., p 14, 1872, *Notus.*
Fieber, Revue d'Ent., iii, p. 43, 1884, *Erythria.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 722, 1898.
Ashmead, Harriman Alaska Exped., viii, p. 134, 1904.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
?Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 151, 1915.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
§*carinata* Woodworth, Psyche, v, p. 213, 1889.
Van Duzee, Trans. Am. Ent. Soc., xxi, p. 311, 1894.
Localities: Me.(?), Ariz., Calif., Wash., Vanc. Isd., Alaska.

2393. **Dikraneura fieberi** (Loew)
Loew *in* Then, Kat. Ostr. Cicad., p. 39, 1886, *Notus.*
Melichar, Cicad. Mitt. Eur., p. 325, 1896.
Gillette, Proc. U. S. Natl. Mus., xx, p. 722, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.

Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 151, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 98, 1916.
†*forcipatus* Fieber, Revue d'Ent., iii, p. 53, 1884, *Notus*.
Localities: Me., Mass., N. Y., N. J., Pa., D. C., N. C., Ohio, Tenn., Ill., Ia., Kans. (Palaearctic.)

Genus **Empoasca** Walsh
Logotype *viridescens* Walsh

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864.
Woodworth, Psyche, v, p. 213, 1889.
Van Duzee, Trans. Am. Ent. Soc., xix, p. 309, 1894.
Gillette, Proc. U. S. Natl. Mus., xx, p. 724, 1898.
Distant, Fauna Br. Ind., Rhyn., iv, p. 401, 1908 (names *viridescens* type).
‖*Chloria* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 508, 1866.
Kybos Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 508, 1866.
Fieber, Revue d'Ent., iii, p. 65, 1884.
†*Cicadula* Sahlberg, Cicad., p. 158, 1871.
Horvath, Ann. Mus. Natl. Hung., vi, p. 566, 1908.
Chlorita Fieber, Kat. Europ. Cicad., p. 14, 1872 (n.n. for *Chloria* Fieb.).
Cybus Douglas, Ent. Mo. Mag., xii, p. 26, 1875 (emendation of *Kybos*).

2394. **Empoasca trifasciata** Gill.

Gillette, Proc. U. S. Natl. Mus., xx, p. 726, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 99, 1916.
Localities: N. Y., Ohio, Tenn., Ill., Ia., Kan.

2395. **Empoasca smaragdula** (Fall.)

Fallén, Acta Holm. for 1806, p. 37, *Cicada*.
Fallén, Hemip. Suec., Cicad., p. 53, 1826, *Cicada*.
Zetterstedt, Ins. Lapp., column 298, 1840, *Cicadula*.
Flor, Rhyn. Livl., ii, p. 393, 1861, *Typhlocyba*.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 508, 1866, *Kybos*.
Kirschbaum, Cicad. v. Wiesbd., p. 178, 1868, *Typhlocyba*.
Sahlberg, Cicad., p. 159, 1871, *Cicadula*.
Fieber, Revue d'Ent., iii, p. 66, 1884, *Kybos*.
Van Duzee, Psyche, v, p. 241, 1889, *Kybos*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Kybos*.
Gillette and Baker, Hemip. Colo., p. 110, 1895.
Melichar, Cicad. Mitt. Europ., p. 327, pl. 12, figs. 22–25, 1896, *Kybos*.
Edwards, Hemip. Homop. Brit. Isds., p. 197, pl. 22, fig. 8, 1896, *Kybos*.
Gillette, Proc. U. S. Natl. Mus., xx, p. 725, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 152, 1915.
viridipes Curtis, Brit. Ent., xiv, pl. 640, 1837, *Eupteryx*.
Localities: Ont., Me., N. Y., Pa., Mo., Colo., Calif. (Palaearctic.)

2396. **Empoasca aureoviridis** (Uhl.)

Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 474, 1877, *Typhlocyba.*
Woodworth, Psyche, v, p. 213, 1889.
Gillette, Proc. U. S. Natl. Mus., xx, p. 730, 1898.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 100, 1916.
Localities: Tenn., Colo.

2397. **Empoasca unicolor** Gill.

Gillette, Proc. U. S. Natl. Mus., xx, p. 731, 1898.
Van Duzee, Can. Ent., xxxviii, p. 411, 1906; xl, p. 159, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 152, 1915.
Localities: Quebec, Ont., Me., N. H., N. Y., D. C., Fla., Ohio, Mich., Colo.

2398. **Empoasca obtusa** Walsh

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 316, 1864.
Gillette and Baker, Hemip. Colo., p. 109, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 733, 1898.
Slosson, Ent. News, xiii, p. 321, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Can. Ent., xl, p. 159, 1908.
Webster, Ent. News, xxi, p. 265, 1910 (habits).
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 153, 1915.
Leonard, Ent. News, xxvii, p. 49, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 100, 1916.
Localities: Quebec, Me., N. H., N. Y., N. J., Pa., D. C., Ohio, Tenn., Ill., Ia., Kans., Colo.

2399. **Empoasca maligna** (Walsh)

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864, *Chloroneura.*
Woodworth, Psyche, v, p. 213, 1889.
Localities: Ill.

2400. **Empoasca unica** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 340, 1890, *Typhlocyba.*
Van Duzee, Can. Ent., xliv, p. 329, 1912.
splendida Gillette, Proc. U. S. Natl. Mus., xx, p. 731, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 100, 1916.
Localities: Quebec, Ont., N. Y., Pa., Md., N. C., Tenn., Brit. Col.

2401. **Empoasca atrolabes** Gill.

Gillette, Proc. U. S. Natl. Mus., xx, p. 736, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 542, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905.
Van Duzee, Can. Ent., xxxviii, p. 411, 1906; xl, p. 159, 1908.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 152, 1915.
Localities: Quebec, Ont., Me., N. Y., Mich., Colo.

2402. **Empoasca albolinea** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 732, 1898.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Localities: Va., Ill., Kan.

2403. **Empoasca denticula** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 734, 1898.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 101, 1916.
Localities: Colo., Tenn.

2404. **Empoasca pergandei** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 735, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Localities: Mass., Pa.

2405. **Empoasca incisa** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 735, 1898.
Localities: Colo.

2406. **Empoasca coccinea** (Fitch)
Fitch, Homop. N. Y. St. Cab., p. 63, 1851, *Empoa.*
Osborn, 20th Rept. N. Y. St. Ent., p. 544, 1905, *Typhlocyba.*
Localities: N. Y., Pa.

2407. **Empoasca clypeata** G. & B.
Gillette and Baker, Hemip. Colo., p. 108, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 727, 1898.
Localities: Colo.

2408. **Empoasca livingstoni** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 728, 1898.
Localities: Wash., Van. Isd.

2409. **Empoasca nigra** G. & B.
Gillette and Baker, Hemip. Colo., p. 108, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 728, 1898.
Localities: Colo.

2410. **Empoasca pulchella** G. & B.
Gillette and Baker, Hemip. Colo., p. 109, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 729, 1898.
Localities: Colo.

2411. **Empoasca pura** (Stål)
Stål, Stet. Ent. Zeit., xix, p. 195, 1858, *Typhlocyba.*
Fieber, Revue d'Ent., iii, p. 58, 1884, *Chlorita.*
Woodworth, Psyche, v, p. 213, 1889.
Gillette and Baker, Hemip. Colo., p. 110, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 734, 1898.
Ashmead, Harriman Alaska Exped., viii, p. 135, 1904, *Chloroneura.*
Localities: Vanc. Isd., Alaska.

2412. **Empoasca radiata** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 738, 1898.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 101, 1916.
Localities: Colo., Tenn., Mo.

2413. **Empoasca robusta** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 739, 1898.
Locality: Calif.

2414. **Empoasca nigroscuta** G. & B.
Gillette and Baker, Hemip. Colo., p. 108, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 739, 1898.

a. var. **typhlocyboides** G. & B.
Gillette and Baker, Hemip. Colo., p. 110, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 740, 1898.
Localities: Colo., Utah.

2415. **Empoasca pallida** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 741, 1898.
Locality: N. C.

2416. **Empoasca snowi** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 741, 1898.
Locality: N. Mex.

2417. **Empoasca aspersa** G. & B.
Gillette and Baker, Hemip. Colo., p. 107, 1895.
Horvath, Ann. Mus. Natl. Hung., vi, p. 566, 1908, *Cicadula.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
†*tessellata* Gillette, Proc. U. S. Natl. Mus., xx, p. 742, 1898.
Localities: Colo., Utah, Calif.

2418. **Empoasca alboneura** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 743, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 101, 1916.
Localities: N. Y., D. C., Va., Miss., Tenn., Neb., Kan., Colo., Calif.

2419. **Empoasca alboscripta** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Locality: Calif.

2420. **Empoasca tumida** Gill.
Gillette, Proc. U. S. Natl. Mus., xx, p. 744, 1898.
Locality: Colo.

2421. **Empoasca mali** (LeB.)
LeBaron, Prairie Farmer, xiii, p. 330, 1853, *Tettigonia.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 126, 1892.
Gillette, Proc. U. S. Natl. Mus., xx, p. 744, 1898.
Wirtner, Ann. Carn. Mus., iii, p. 226, 1904.
Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905.
Van Duzee, Can. Ent., xxxviii, p. 411, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 76, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Webster, Ent. News, xxi, p. 266, 1910 (habits).
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910.

Osborn, U. S. Dept. Agr., Bur. Ent., Bul. 108, p. 100, fig. 28, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915.
Essig, Inj. Benef. Ins. Calif., edn. 2, p. 62, 1915.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 153, 1915.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
Gibson, Can. Ent., xlviii, p. 178, 1916.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 102, 1916.
albopicta Forbes, 13th Rept. Ill. St. Ent., p. 181, pl. 14, 1884, *Empoa.*
Woodworth, Psyche, v, p. 213, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894.
Localities: Ont., Me., N. Y., N. J., Pa., D. C., Va., N. C., S. C., Fla., Miss., Ohio, Ky., Tenn., Mich., Ind., Ill., Mo., Kans., Calif. (West Indies.)

2422. **Empoasca flavescens** (Fabr.)

Fabricius, Ent. Syst., iv, p. 46, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 79, 1803, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 53, 1826, *Cicada.*
Flor, Rhyn. Livl., ii, p. 394, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 178, 1868, *Typhlocyba.*
Sahlberg, Cicad., p. 161, 1871, *Cicadula.*
Fieber, Revue d'Ent., iii, p. 57, 1884, *Chlorita.*
Melichar, Cicad. Mitt. Eur., p. 326, 1896, *Chlorita.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 745, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 76, 1907.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 405, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 102, 1916.
Localities: N. Y., D. C., Miss., Fla., Mich., Tenn., Ill., Ia., Kans., Colo., N. Mex., Calif. (West Indies, Palaearctic.)

2423. **Empoasca viridescens** Walsh

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 316, 1864.
Gillette and Baker, Hemip. Colo., p. 111, 1895.
Gillette, Proc. U. S. Natl. Mus., xx, p. 347, 1898.
Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 56, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915.
consobrina Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 316, 1864.
Localities: N. Y., N. C., Ga., Fla., Miss., Ill., Kans., Colo., Ariz., Calif.

2424. **Empoasca birdii** Godg.

Goding, Ent. News, i, p. 123, 1890.
Gillette, Proc. U. S. Natl. Mus., xx, p. 746, 1898 (as var. of *flavescens*).
Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905.
Localities: N. Y., Mich., Ill., Ia.

2425. **Empoasca malefica** (Walsh)

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864, *Chloroneura*
Locality: Ill.

DIVISION *TYPHLOCYBARIA* Dist.

Distant, Fauna Br. Ind., Rhyn., iv, p. 408, 1908.

Genus **Typhlocyba** Germ.
Logotype *aurata* (Linn.)

Germar, Silb. Revue Ent., i, p. 180, 1833.
Burmeister, Handb. d. Ent., ii, p. 107, 1835.
Blanchard, Hist. des Ins., Hémip., p. 199, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840 (names *ulmi* Linn.
Burmeister, Genera Ins., i, pl. 13, 1841. [pseudotype).
Spinola, Tavola Sinot., p. 59, 1850.
Flor, Rhyn. Livl., ii, p. 369, 1861.
Kirschbaum, Cicad. v. Wiesbd., pp. 16, 176, 1868.
Fieber, Kat. Europ. Cicad., p. 14, 1872.
Fieber, Revue d'Ent., iii, p. 92, 1884.
Eupteryx Curtis, Ent. Mag., i, p. 192, 1833 (orthotype *picta* Fabr.).
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 509, 1866.
Marshall, Ent. Mo. Mag., iii, p. 197, 1867.
Sahlberg, Cicad., p. 189, 1871.
Douglas, Ent. Mo. Mag., xi, p. 198, 1875.
Lethierry, Revue d'Ent., iii, p. 92, note, 1884.
Puton, Cat. Hemip. Palae., edn. 3, p. 87, 1886.
Woodworth, Psyche, v, p. 213, 1889.
Melichar, Cicad. Mitt. Europ., p. 328, 1896.
Gillette, Proc. U. S. Natl. Mus., xx, p. 748, 1898.
Distant, Fauna Brit. Ind., Rhyn., iv, p. 416, 1908 (names *atropunctata*
Oshanin, Verz. Palae. Hemip., ii, p. 198, 1908. [Goeze type).
Oshanin, Kat. Palae. Hemip., p. 112, 1912.

2426. **Typhlocyba collina** Flor

Flor, Rhyn. Livl., ii, p. 433, 1861.
Kirschbaum, Cicad. v. Wiesbd., p. 196, 1868.
Fieber, Revue d'Ent., iii, p. 109, 1884, (as var. of *melissae* Curt.).
Melichar, Cicad. Mitt. Europ., p. 340, 1896, *Eupteryx*.
Edwards, Hemip. Homop. Brit. Isds., p. 204, pl. 23, fig. 4, 1896, *Eupteryx*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 511, 1912, *Eupteryx*.
quinquemaculata Baker, Invert. Pacifica, i, p. 8, 1903, *Eupteryx*.
Localities: N. Y., Calif.

2427. **Typhlocyba vanduzei** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 748, 1898, *Eupteryx*.
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Eupteryx*.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Eupteryx*.
Localities: N. Y., Pa.

2428. **Typhlocyba nigra** (Osb.)

Osborn, 20th Rept. N. Y. St. Ent., p. 543, 1905, *Eupteryx*.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 155, 1915, *Eupteryx*.
Localities: Me., N. Y., Ohio.

2429. **Typhlocyba flavoscuta** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 749, 1898, *Eupteryx.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Eupteryx.*
Osborn, 20th Rept. N. Y. St. Ent., p. 544, 1905, *Eupteryx.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Eupteryx.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909, *Eupteryx.*
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910, *Eupteryx.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 535, 1914.

Localities: Quebec, N. H., N. Y., N. J., Pa., Fla.

Genus **Empoa** Fitch

Logotype *querci* Fitch

Fitch, Homop. N. Y. St. Cab., p. 63, 1851.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864.
Anomia Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 509, 1866.
Fieber, Revue d'Ent., iii, p. 120, 1884.
†*Typhlocyba* Sahlberg, Cicad., p. 172, 1871 (part).
Douglas, Ent., Mo. Mag., xi, p. 198, 1875 (names *lineatella* Fall. pseudo-
Lethierry, Revue d'Ent., iii, p. 120, note, 1884. [type).
Puton, Cat. Hemip. Palae., edn. 3, p. 88, 1886 (part).
Woodworth, Psyche, v, p. 213, 1889 (part).
Van Duzee, Trans. Am. Ent. Soc., xix, p. 311, 1894 (part).
Melichar, Cicad. Mitt. Eur., p. 341, 1896 (part).
Gillette, Proc. U. S. Natl. Mus., xx, p. 750, 1898 (part).
Distant, Fauna Brit. Ind., Rhyn., iv, p. 409, 1908 (names *quercus* Fitch
Oshanin, Verz. Palae. Hemip., ii, p. 208, 1908. [type.
Oshanin, Kat. Palae. Hemip., p. 113, 1912.

2430. **Empoa querci** Fitch

Fitch, Homop. N. Y. St. Cab., p. 63, 1851.
Woodworth, Psyche, v, p. 214, 1889, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 202, 1894, *Typhlocyba.*
Slosson, Ent. News, vii, p. 265, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 766, 1898, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Typhlocyba.*
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910, *Typhlocyba.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 157, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 109, 1916, *Typhlocyba.*

Localities: Ont., Me., N. H., N. Y., Ohio, Tenn.

a. var. **gillettei** n.n.

‖*bifasciata* Gillette and Baker, Hemip. Colo., p. 111, 1895, *Typhlocyba.*
Slosson, Ent. News, vii, p. 265, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 766, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 228, 1904, *Typhlocyba.*
Van Duzee, Can. Ent., xl, p. 160, 1908, *Typhlocyba.*
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910, *Typhlocyba.*

b. var. **6-notata** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
Locality: Calif.

c. var. **morgani** (DeL.)
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 104, 1916, *Typhlocyba.*
Localities: Tenn., Ohio.

2430½. **Empoa nitidula** (Fabr.)

Fabricius, Ent. Syst., iv, p. 46, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 79, 1803, *Cicada.*
Flor, Rhyn. Livl., ii, p. 407, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 185, 1868, *Typhlocyba.*
Sahlberg, Cicad., p. 177, 1871, *Typhlocyba.*
Fieber, Revue d'Ent., iii, p. 123, 1884, *Anomia.*
Edwards, Hemip. Homop. Brit. Isds., p. 219, pl. 25, fig. 5, 1896, *Typhlocyba.*
Oshanin, Verz. Palae. Hemip., ii, p. 209, 1906, *Typhlocyba.*
Slosson, Ent. News, xvii, p. 326, 1906, *Typhlocyba.*
bifasciata Boheman, Of. Vet. Akad. Forh., ix, p. 79, 1852, *Typhlocyba.*
Localities: N. H. (Europe.)

2430¾. **Empoa aureotecta** S. & D.

Sanders and DeLong, Ann. Ent. Soc. Am., x, p. 93, 1917 (figures).
Locality: Wis.

2431. **Empoa australis** (Walsh)

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864, *Erythroneura.*
Woodworth, Psyche, v, p. 214, 1889.
Locality: Ill.

2432. **Empoa flavomarginata** (G. & B.)

Gillette and Baker, Hemip. Colo., p. 111, 1895, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 768, 1898, *Typhlocyba.*
Locality: Colo.

2433. **Empoa ulmi** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 439, 1758, *Cicada.*
Linnaeus, Fauna Suec., edn. 2, No. 900, 1761, *Cicada.*
Linnaeus, Syst. Nat., edn. 12, ii, p. 711, 1767, *Cicada.*
Fabricius, Ent. Syst., iv, p. 45, 1794, *Cicada.*
Fabricius, Syst. Rhyng., p. 78, 1803, *Cicada.*
Fallén, Hemip. Suec., Cicad., p. 49, 1826, *Cicada.*
Burmeister, Handb. d'Ent., ii, p. 107, 1835, *Typhlocyba.*
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840, *Typhlocyba.*
Flor, Rhyn. Livl., ii, p. 411, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 186, 1868, *Typhlocyba.*
Sahlberg, Cicad., p. 176, 1871, *Typhlocyba.*
Fieber, Revue d'Ent., iii, p. 127, 1884, *Anomia.*
Melichar, Cicad. Mitt. Europ., p. 348, pl. 12, figs. 31, 32, 1896, *Typhlocyba.*
Edwards, Hemip. Homop. Brit. Isds., p. 213, pl. 24, fig. 8, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 769, 1898, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905.
Localities: Mass., R. I., N. Y., Ia.

2434. **Empoa commissuralis** (Stål)

Stål, Stet. Ent. Zeit., xix, p. 196, 1858, *Typhlocyba.*
Fieber, Revue d'Ent., iii, p. 67, 1884, *Kybos.*
Woodworth, Psyche, v, p. 214, 1889, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 769, 1898, *Typhlocyba.*
Ashmead, Harriman Alaska Exped., viii, p. 135, 1904, *Empoasca.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 158, 1915, *Typhlocyba.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 249, 1916.
Localities: Me., Colo., Calif., Vanc. Isd., Alaska.

2435. **Empoa tenerrima** (H. S.)

Herrich-Schaeffer, Fauna Germ., cxxiv, No. 10a; clxiv, No. 16, 1834, *Typhlo-*
Kirschbaum, Cicad. v. Wiesbd., p. 185, 1868, *Typhlocyba.* [*cyba.*
Sahlberg, Cicad., p. 178, 1871, *Typhlocyba.*
Melichar, Cicad. Mitt. Europ., p. 349, 1896, *Typhlocyba.*
Edwards, Hemip. Homop. Brit. Isds., p. 214, pl. 24, fig. 9, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 770, 1898, *Typhlocyba.*
Slosson, Ent. News, ix, p. 251, 1898, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 544, 1905, *Typhlocyba.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Typhlocyba.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 158, 1915, *Typhlocyba.*
rubi Hardy, Trans. Tyneside Nat. Field Club, i, p. 417, 1850, *Typhlocyba.*
misella Boheman, Kong. Vet. Akad. Handl. for 1851, p. 122, *Typhlocyba.*
Localities: Quebec, Ont., Me., N. H., N. Y., Mich., Colo.

2436. **Empoa lethierryi** (Edwds.)

Edwards, Ent. Mo. Mag., xvii, p. 224, 1881, *Typhlocyba.*
Melichar, Cicad. Mitt. Europ., p. 346, 1896, *Typhlocyba.*
Edwards, Hemip. Homop. Brit. Isds., p. 216, pl. 30, fig. 8, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 771, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 228, 1904, *Typhlocyba.*
Osborn, Me., Agr. Exp. Sta., Bul. 238, p. 157, 1915, *Typhlocyba.*
†*rosae* Kirschbaum, Cicad. v. Wiesbd., p. 184, 1868, *Typhlocyba.*
‖*sulphurella* Lethierry, Cat. Hemip., Dept. Nord., pp. 74, 79, *Anomia.*
Fieber, Revue d'Ent., iii, p. 124, 1884, *Anomia.*
Localities: Me., N. Y., Pa., Mich., Ia.

2437. **Empoa rosae** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 439, 1758, *Cicada.*
Linnaeus, Fauna Suec., edn. 2, No. 902, 1761, *Cicada.*
Geoffroy, Hist. Abreg. des Ins., i, p. 428, 1762, *Cicada* (*Tettigonia*).
Linnaeus, Syst. Nat., edn. 12, ii, p. 712, 1767, *Cicada.*
Fabricius, Syst. Ent., p. 687, 1775, *Cicada.*
Fabricius, Ent. Syst., iv, p. 45, 1794, *Cicada.*
Walckenaer, Fauna Paris., ii, p. 328, 1802, *Cicada.*
Burmeister, Handb. d. Ent., ii, p. 107, 1835, *Typhlocyba.*
Zetterstedt, Ins. Lapp., column 300, 1840, *Cicadula.*
Burmeister, Genera Ins., i, pl. 13, 1841, *Typhlocyba.*
Flor, Rhyn. Livl., ii, p. 407, 1861, *Typhlocyba.*
Kirschbaum, Cicad. v. Wiesbd., p. 184, 1868, *Typhlocyba.*

Sahlberg, Cicad., p. 180, 1871, *Typhlocyba.*
Fieber, Revue d'Ent., iii, p. 124, 1884, *Anomia.*
Provancher, Pet. Faune Ent. Can., iii, p. 299, 1890.
Gillette and Baker, Hemip. Colo., p. 112, 1895, *Typhlocyba.*
Melichar, Cicad. Mitt. Europ., p. 345, 1896, *Typhlocyba.*
Edwards, Hemip. Homop., Brit. Isds., p. 216, 1896, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 771, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 228, 1904, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 69, 1907, *Typhlocyba.*
Webster, Ent. News, xxi, p. 267, 1910, *Typhlocyba* (habits).
Smith, Cat. Ins. N. J., edn. 3, p. 107, *Typhlocyba.*
Van Duzee, Can. Ent., xliv, p. 329, 1912, *Typhlocyba.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 158, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 109, 1916, *Typhlocyba.*
‖*rosae* Harris, Rept. Ins. Mass., edn. 2, p. 182, 1852, *Tettigonia* (as new).
Harris, Treat. Ins. Injur. Veg., edn. 3, p. 229, 1862, *Tettigonia.*
Woodworth, Psyche, v, p. 214, 1889, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 202, 1894, *Typhlocyba.*
Van Duzee, Trans. Am. Ent. Soc., xix, p. 313, 1894, *Typhlocyba.*
pteridis Dahlbom, Kongl. Vet. Akad. Handl. for 1850, p. 179, *Typhlocyba.*
†*lactea* Douglas, Ent. Mo. Mag., xii, p. 77, 1875, *Typhlocyba.*
Localities: Quebec, Ont., Me., Vt., Mass., N. Y., Pa., D. C., Ohio, Tenn., Mich., Kans., Ia., Colo., Calif., Vanc. Isd.

2438. **Empoa fabae** (Harr.)

Harris, Rept. Ins. Mass., p. 186, 1841, *Tettigonia.*
Harris, Treat. Ins. Injur. Veg., edn. 3, p. 230, 1862, *Tettigonia.*
Fitch, Homop. N. Y. St. Cab., p. 63, 1851, *Erythroneura.*
Woodworth, Psyche, v, p. 213, 1889, *Empoasca.*
Localities: Mass., N. Y., Ohio.

2439. **Empoa albicans** Walsh

Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 316, 1864.
Woodworth, Psyche, v, p. 214, 1879, *Typhlocyba.*
Locality: Ill.

Genus **Erythroneura** Fitch
Logotype *tricincta* Fitch

Fitch, Homop. N. Y. St. Cab., p. 62, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 392, 1856.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 315, 1864.
Provancher, Pet. Faune Ent. Can., iii, p. 297, 1890 (in part).
Oshanin, Kat. Palae. Hemip., p. 114, 1912 (names *tricincta* type).
Zygina Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 509, 1866.
Fieber, Cicad. d. Europ., i, p. 129, 1875; ii, p. 13, 1876.
Fieber, Revue d'Ent., iii, p. 150, 1884 (synop. of species).
Mayr, Tabellen, p. 40, 1884.
Melichar, Cicad. Mitt. Europ., p. 351, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 219, 1896.
Oshanin, Verz. Palae. Hemip., ii, p. 216, 1908.
Idia Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 509, 1866.

2440. **Erythroneura trifasciata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 343, 1825; Compl. Writ., ii, p. 259, *Tetti-*
Signoret, Ann. Soc. Ent. Fr., ser. 3, iii, p. 805, 1855, *Tettigonia.* [*gonia.*
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 755, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 544, 1905, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 69, 1907, *Typhlocyba.*
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 106, 1916, *Typhlocyba.*
Localities: N. Y., N. J., Pa., Tenn., Miss., Ill., Mo., Ia., Kan.

2441. **Erythroneura tricincta** Fitch

Fitch, Homop. N. Y. St. Cab., p. 63, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, pp. 392, 436, 1856.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 753, 1898, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*
Gillette and Baker, Hemip. Colo., p. 113, 1895, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 753, 1898, *Typhlocyba.*
Slosson, Ent. News, xiii, p. 321, 1902, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 544, 1905, *Typhlocyba.*
Tucker, Univ. Kans. Sci. Bul., iv, p. 69, 1907, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915, *Typhlocyba.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 104, 1916, *Typhlocyba.*
Localities: Ont., N. H., N. Y., Pa., Md., N. C., Ohio, Tenn., Ill., Mo., Ia., Kan., Colo.

2442. **Erythroneura tunicarubra** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 752, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 106, 1916, *Typhlocyba.*
Localities: Pa., Mich., Tenn.

2443. **Erythroneura hartii** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 754, 1898, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba.*
Localities: Pa., Ill.

2444. **Erythroneura rubroscuta** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 755, 1898, *Typhlocyba.*
Localities: Ill., Kan.

2444½. **Erythroneura osborni** (DeL.)

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 103, 1916, *Typhlocyba.*
Locality: Tenn.

2445. **Erythroneura comes** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 343, 1825; Compl. Writ., ii, p. 259,
Cooke, Inj. Ins. Orchard and Vineyard, p. 197, 1883. [*Tettigonia.*

Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*
Gillette and Baker, Hemip. Colo., p. 111, 1895, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 759, 1898, *Typhlocyba.*
Slingerland, Cornell Univ. Agr. Exp. Sta., Bul. 215, 1904, *Typhlocyba.*
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909, *Typhlocyba.*
Smith, Cat. Ins. N. J., edn. 3, p. 107, 1910, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915, *Typhlocyba.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 156, 1915, *Typhlocyba.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915, *Typhlocyba.*
Essig, Inj. Benef. Ins. Calif., edn. 2, p. 64, 1915.
DeLong, Tenn. St. Bd. Ent., Bul. 106, 1916, *Typhlocyba.*

a. var. **vitifex** Fitch
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 392, 1856.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Provancher, Pet, Faune Ent. Can., iii, p. 299, 1890, *Typhlocyba.*
Townsend, Can. Ent., xxiv, p. 196, 1892, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*
Gillette and Baker, Hemip. Colo., p. 113, 1895, *Typhlocyba.*
Van Duzee, Can. Ent., xliv, p. 329, 1912.

b. var. **ziczac** Walsh
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864.
Woodworth, Psyche, v, p. 214, 1889, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 761, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 156, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 107, 1916, *Typhlocyba.*

c. var. **vitis** (Harr.)
Harris, Encyc. Am., viii, p. 43, 1831, *Tettigonia.*
Harris, Rept. Ins. Mass., p. 184, 1841, *Tettigonia.*
Fitch, Homop. N. Y. St. Cab., p. 63, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 391, 1856.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 227, 1862, *Tettigonia.*
Saunders, Ins. Inj. to Fruits, p. 286, fig. 297, 1883.
Uhler, Stand. Nat. Hist., ii, p. 246, 1884.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Provancher, Pet. Faune Ent. Can., iii, p. 298, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*
Gillette and Baker, Hemip. Colo., p. 113, 1895, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 761, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Van Duzee, Can Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 78, 1915, *Typhlocyba.*
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 156, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 107, 1916, *Typhlocyba.*

d. var. **basilaris** (Say)
Say, Jl. Acad. Nat. Sci. Phila., iv, p. 344, 1825; Compl. Writ., ii, p. 260.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864. [*Tettigonia.*

Gillette, Proc. U. S. Natl. Mus., xx, p. 760, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 78, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 107, 1916, *Typhlocyba.*
affinis Fitch, Homop. N. Y. St. Cab., p. 63, 1851.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba.*

e. var. **infuscata** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 764, 1898, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 108, 1916, *Typhlocyba.*

f. var. **rubra** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 764, 1898, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 108, 1916, *Typhlocyba.*

g. var. **maculata** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 764, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*

h. var. **scutelleris** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 764, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 78, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 108, 1916, *Typhlocyba.*

i. var. **octo-notata** Walsh
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 318, 1864.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 762, 1898, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 107, 1916, *Typhlocyba.*

j. var. **coloradensis** (Gill.)
Gillette, Colo. Agr. Exp. Sta., Bul. 19, p. 16, 1892, *Typhlocyba.*
Gillette and Baker, Hemip. Colo., p. 113, 1895, *Typhlocyba.*
Gillette, Proc. U. S. Natl. Mus., xx, p. 763, 1898, *Typhlocyba.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 108, 1916, *Typhlocyba.*

k. var. **apicalis** (DeL.)
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 108, 1916, *Typhlocyba.*
Localities: Quebec, Ont., Me., Mass., N. Y., N. J., Pa., Md., D. C., N. C., Fla., Miss., Ohio, Tenn., Mich., Ill., Mo., Neb., Kans., Colo., N. Mex., Texas, Ariz., Calif., Br. Col.

2446. **Erythroneura illinoiensis** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 758, 1898, *Typhlocyba.*
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba.*
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915, *Typhlocyba.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 28, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 109, 1916, *Typhlocyba.*
Localities: N. C., Miss., Tenn., Mich., Ill., Mo.

2447. **Eurythroneura obliqua** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 342, 1825; Compl. Writ., ii, p. 259,
Fitch, Homop. N. Y. St. Cab., p. 63, 1851. [*Tettigonia.*

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 435, 1856.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba*.
Provancher, Pet. Faune Ent. Can., iii, p. 340, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba*.
Gillette and Baker, Hemip. Colo., p. 112, 1895, *Typhlocyba*.
Gillette, Proc. U. S. Natl. Mus., xx, p. 756, 1898, *Typhlocyba*.
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba*.
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba*.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba*.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 77, 1915, *Typhlocyba*.
Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 155, 1915, *Typhlocyba*.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 105, 1916, *Typhlocyba*.

a. var. **dorsalis** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 757, 1898, *Typhlocyba*.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 105, 1916, *Typhlocyba*.

b. var. **noevus** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 757, 1898, *Typhlocyba*.
Tucker, Kans. Univ. Sci. Bul., iv, p. 68, 1907, *Typhlocyba*.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 105, 1916, *Typhlocyba*.

c. var. **fumida** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 758, 1898, *Typhlocyba*.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 57, 1914.
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 105, 1916, *Typhlocyba*.

d. var. **clavata** (DeL.)
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 105, 1916, *Typhlocyba*.
Localities: Quebec, Ont., Me., N. Y., Pa., D. C., Ohio, Tenn., Mich., Ill., Mo., Kans., Ia., Colo., Calif.

2447½. **Erythroneura nigridorsum** (DeL.)

DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 110, 1916, *Typhlocyba*.
Locality: Tenn.

2448. **Erythroneura vulnerata** Fitch

Fitch, Homop. N. Y. St. Cab., p. 62, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 392, 1856.
Walsh, Proc. Bost. Soc. Nat. Hist., ix, p. 317, 1864.
Woodworth, Psyche, v, p. 213, 1889, *Typhlocyba*.
Provancher, Pet. Faune Ent. Can., iii, p. 299, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892, *Typhlocyba*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 201, 1894, *Typhlocyba*.
Gillette and Baker, Hemip. Colo., p. 113, 1895, *Typhlocyba*.
Gillette, Proc. U. S. Natl. Mus., xx, p. 764, 1898, *Typhlocyba*.
Wirtner, Ann. Carn. Mus., iii, p. 227, 1904, *Typhlocyba*.
Osborn, 20th Rept. N. Y. St. Ent., p. 545, 1905, *Typhlocyba*.
Tucker, Kans. Univ. Sci. Bul., iv, p. 69, 1907, *Typhlocyba*.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Gibson and Cogan, Ohio Jl. Sci., xvi, p. 78, 1915, *Typhlocyba*.

Osborn, Me. Agr. Exp. Sta., Bul. 238, p. 156, 1915, *Typhlocyba.*
DeLong, Tenn. St. Bd. Ent., Bul. 17, p. 110, 1916, *Typhlocyba.*

a. var. **nigra** (Gill.)
Gillette, Proc. U. S. Natl. Mus., xx, p. 765, 1898, *Typhlocyba.*
Localities: Quebec, Ont., Me., N. Y., N. J., Pa., D. C., Miss., Tenn., Mo., Ia., Kans., Colo., Ariz.

2449. **Erythroneura dentata** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 765, 1898, *Typhlocyba.*
Locality: Calif.

2450. **Erythroneura crevecoeuri** (Gill.)

Gillette, Proc. U. S. Natl. Mus., xx, p. 767, 1898, *Typhlocyba.*
Localities: N. Y., N. C., Ohio, Kans.

2451. **Erythroneura rubricata** (Van D.)

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 229, 1909, *Typhlocyba.*
Locality: Fla.

Family FULGORIDAE (Latr.)

Latreille, Genera Crust Ins., iii, p. 163, 1807, *Fulgorellae.*
Leach *in* Brewster's Edinbg. Encyc., ix, p. 124, 1915, *Fulgorida.*
Germar, Mag. d. Ent., iii, p. 179, 1818, *Fulgorellae.*
Latreille, Fam. Nat. Règne Animal, p. 427, 1825, *Fulgorellae.*
Fallén, Hemip. Suec., Cicad., p. 68, 1826, *Fulgorides.*
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 215, 1829, *Fulgorelles.*
Burmeister, Handb. d. Ent., ii, pp. 102, 144, 1835, *Fulgorina.*
Latreille *in* Cuvier's Animal Kingd., Lond. edn., iv, p. 174, 1836, *Fulgorellae.*
Spinola, Ann. Soc. Ent. Fr., viii, pp. 133, 202, 1839, *Fulgorellae.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 427; Synop., p. 115, 1840.
Blanchard, Hist. des Ins., Hémip., p. 167, 1840, *Fulgoriens.*
Spinola, Tavola Sinot., pp. 27, 50, 1850, *Fulgoritae.*
Walker, List Homop., ii, p. 261, 1851, *Fulgorina.*
Stål, Stet. Ent. Zeit., xix, p. 233, 1858, *Fulgorina.*
Flor, Rhyn. Livl., ii, p. 11, 1861, *Fulgorina.*
Stål, Hemip. Afr., iv, p. 128, 1866, *Fulgorida.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 497, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 9, 1868, *Fulgorina.*
Sahlberg, Cicad., pp. 73, 376, 1871, *Fulgorina.*
Fieber, Kat. Eur. Cicad., p. 2, 1872, *Fulgorida.*
Fieber, Cicad. d'Eur., i, p. 41, 1875, *Fulgorida.*
Berg, Hemip. Argent., p. 213, 1879.
Distant, Biol. Centr. Am., Homop., i, p. 21, 1883.
Uhler, Stand. Nat. Hist., ii, p. 229, 1884.
Ashmead, Ent. Am., v, pp. 1, 21, 1889. (Keys.)
Provancher, Pet. Faune Ent. Can., iii, p. 215, 1889.
Hansen, Ent. Tidskr., xi, p. 65, 1890 (Kirkaldy transl. Entomol., xxxiii, pp. 169, 336, 1900; xxiv, p. 150, 1901; xxxv, p. 235, 1902; xxxvi, p. 93, 1903 (morphology).
Osborn, Proc. Ent. Soc. Wash., iii, p. 187, 1895.

Melichar, Cicad. Mitt. Eur., pp. 1, 17, 1896.
Swezey, Ohio Dept. Agr., Div. Nurs. Oreh. Insp., Bul. 3, 1904 (catalogue).
Oshanin, Verz. Palae. Hemip., ii, p. 224, 1906.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 175, 1906
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 467, 1907 (synopses).
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, pp. 9, 91, 96, [1907, *Fulgoroidea.* (Superfamily.)
Horvath, Ann. Mus. Natl. Hung., ix, p. 30, 1911.
Oshanin, Kat. Palae. Hemip., p. 114, 1912, *Fulgoroideae.* (Superfamily.)
Subtericornes Amyot and Serville, Hémip., pp. liv, 483, 1843.

Subfamily FULGORINAE (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, p. 202, 206, 1839, *Fulgoridea.*
Amyot and Serville, Hémip., pp. lv, 488, 1843, *Fulgorides.* (Groupe.)
Walker, List Homop., ii, p. 262, 1851, *Fulgoroides.*
Stål, Hemip. Afr., iv, pp. 129, 131, 1866, *Fulgorida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 740, 1870, *Fulgorina.*
Berg, Hemip. Argent., p. 213, 1879, *Fulgorina.*
Distant, Biol. Centr. Am., Homop., i, p. 22, 1883.
Uhler, Stand. Nat. Hist., ii, p. 229, 1884, *Fulgorida.*
Ashmead, Ent. Am., v, p. 2, 1889.
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 175, 178, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, pp. 10, 95, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 467, 1907, *Fulgorida.*
Oshanin, Verz. Palae. Hemip., ii, p. 224, 1908, *Fulgorina.*
Oshanin, Kat. Palae. Hemip., p. 114, 1912, *Fulgoridae.* (Family.)
Lystroides Spinola, Ann. Soc. Ent. Fr., viii, pp. 202, 240, 1839.
Walker, List Homop., ii, p. 273, 1851.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul. 12, p. 11, 1913, *Lystrinae.*
Eufulgoridae Haglund, Of. Vet. Akad. Forh., lvi, No. 2, p. 59, 1899.

Genus **Scolopsella** Ball
Orthotype *reticulata* Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 118, 1905.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 469, 1907.
Melichar, Abh. Zool.-Bot. Ges. Wien, vii, p. 171, 1912.

2452. **Scolopsella reticulata** Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 118, 1905.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 471, 1907.
Melichar, Abh. Zool.-Bot. Ges. Wien, vii, p. 171, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 34, 1914.
Localities: Ariz., Calif.

Genus **Amycle** Stål
Logotype *amabilis* (Westw.)

Stål, Stet. Ent. Zeit., xxii, p. 148, 1861.
Stål, Berl. Ent. Zeit., vi, p. 305, 1862 (subgen. of *Cyrpoptus* Stål).
Stål, Hemip. Afr., iv, p. 136, 1866.
Stål, Stet. Ent. Zeit., xxxi, p. 291, 1870.
Distant, Biol. Centr. Am., Homop., i, p. 25, 1887.

2453. **Amycle vernalis** Manee

Manee, Ent. News, xxi, p. 117, 1910.
Locality: Ga.

2454. **Amycle saxatilis** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 33, 1914.
Locality: Calif.

Genus **Calyptoproctus** Spin.
Orthotype *elegans* Lep. & Serv.

Duponchel, Revue Zool., ii, p. 201, 1839 (nomen nudum; names *lystroides*
Spinola, Ann. Soc. Ent. Fr., viii, p. 266, 1839. [Spin. pseudotype).
Amyot and Serville, Hémip., p. 501, 1843.
Stål, Hemip. Afr., iv, p. 137, 1866.
Stål, Stet. Ent. Zeit., xxxi, p. 293, 1870.
Distant, Biol. Centr. Am., Homop., i, p. 36, 1887.
Ashmead, Ent. Am., v, p. 22, 1889. [pseudotype).
Distant, Ann. Mag. Nat. Hist., ser. 7, xviii, p. 195, 1906 (names *stigma*
Paralystra White, Ann. Zool. Bot., xviii, p. 25, 1846 (type *emma* Wht.).

2455. **Calyptoproctus marmoratus** Spin.

Spinola, Ann. Soc. Ent. Fr., viii, p. 271, 1839.
Amyot and Serville, Hémip., p. 501, 1843.
Locality: "N. Am."

Genus **Cyrpoptus** Stål
Haplotype *suavis* Stål

Stål, Berl. Ent. Zeit., vi, p. 304, 1862.
Stål, Stet. Ent. Zeit., xxxi, p. 292, 1870.
Distant, Biol. Centr. Am., Homop., i, p. 35, 1887.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul. 12, p. 11, 1913.

2456. **Cyrpoptus belfragei** Stål

Stål, Berl. Ent. Zeit., xiii, p. 240, 1869.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 185, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: N. C., Fla., Ohio, Mo., Texas.

2457. **Cyrpoptus reineckei** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 185, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914.
Locality: Fla.

2458. **Cyrpoptus nubeculosus** Stål

Stål, Berl. Ent. Zeit., xiii, p. 240, 1869.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 185, 1909.
Localities: Texas. (Mexico.)

Genus **Poblicia** Stål
Orthotype *misella* (Stål)

Stål, Hemip. Afr., iv, p. 138, 1866 (nomen nudum).
Stål, Berl. Ent. Zeit., x, p. 390, 1867 (valid here).

Stål, Stet. Ent. Zeit., xxxi, p. 290, 1870.
Distant, Biol. Centr. Am., Homop., i, p. 31, 1887.

2459. **Poblicia misella** (Stål)

Stål, Stet. Ent. Zeit., xxiv, p. 239, 1863; xxv, p. 49, 1864, *Poeocera.*
Uhler, Stand. Nat. Hist., ii, p. 230, 1884, *Poeocera.*
Distant, Biol. Centr. Am., Homop., i, p. 31, pl. 5, fig. 6, 1887.
Localities: Ariz. (Mexico.)

2460. **Poblicia fuliginosa** (Oliv.)

Olivier, Encyc. Meth., vi, p. 574, 1791, *Fulgora.*
Uhler, Stand. Nat. Hist., ii, p. 230, 1884, *Poeocera.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: N. C., Ga., Ohio, Mo., Texas, Ariz.

2461. **Poblicia thanatophana** Kirk.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 61, 1907.
Locality: Ariz.

Subfamily DICTYOPHORINAE (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, pp. 202, 283, 1839, *Dyctiophoroides.*
Walker, List Homop., ii, p. 303, 1851, *Dyctiophoroides* (part).
Stål, Hemip. Afr., iv, p. 129, 1866, *Dictyopharida.*
Berg, Hemip. Argent., p. 217, 1879, *Dictyopharina.*
Distant, Biol. Centr. Am., Homop., i, p. 38, 1887.
Melichar, Homop. Fauna Ceyl., p. 17, 1903.
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 176, 236, 1906. [*tyopharini.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, p. 10, 1907, *Dic-*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 468, 1908, *Dictyopharida.*
Matsumura, Trans. Sapp. Nat. Hist. Soc., iii, p. 100, 1910. [(Key.)
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 1, 1912.
Pseudophanides Amyot and Serville, Hémip., pp. lvi, 502, 1843 (part).
†*Fulgorinae* Kirkaldy, Haw. S. P. A., Exp. Sta. Bul. 12, pp. 11, 12, 1913.

TRIBE *DICTYOPHORINI* Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, pp. 6, 28, 191, 1912.

Genus **Dictyophora** Germ.
Logotype *europaea* Linn.

Germar, Silb. Revue Ent., i, p. 175, 1833.
Duponchel, Revue Zool., ii, p. 202, 1839 (names *proboscidea* Spin. pseudotype).
Spinola, Ann. Soc. Ent. Fr., viii, p. 290, 1839.
Kirschbaum, Cicad. v. Wiesbd., pp. 12, 50, 1868.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 114, 1912.
Pseudophana Burmeister, Handb. d. Ent., ii, p. 159, 1835.
Amyot and Serville, Hémip., p. 506, 1843.
Chianthus Kolenati, Bul. Soc. Imp. Mosc., xxx, p. 427, 1857.
‡*Dictyophara* Stål, Hemip. Afr., iv, p. 154, 1866.
Fieber, Cicad. d'Eur., i, p. 70, 1875; ii, p. 209, 1876.
Berg, Hemip. Argent., p. 217, 1879.
Distant, Biol. Centr. Am., Homop., i, p. 39, 1887.
Ashmead, Ent. Am., v, p. 21, 1889.

Melichar, Cicad. Mitt. Eur., pp. 18, 33, 1896. [as type).
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 237, 241, 1906 (gives *europaea*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 469, 1908.
Van Duzee, Can. Ent., xlvi, p. 387, 1914.
Van Duzee, Check List Hemip., p. 78, 1916.
Avephora Bierman, Notes Leyden Mus., xxxiii, p. 12, 1911.
Tropidophora Bierman, Notes Leyden Mus., xxxiii, p. 15, 1911.
†*Fulgora* Kirkaldy, Haw. S. P. A., Exp. Sta. Bul. 12, p. 11, 1913 (names [*europaea* pseudotype).

2462. **Dictyophora microrhina** Walk.

Walker, List Homop., ii, p. 315, 1851.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 469, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 71, 1912, *Nersia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Nersia.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: N. Y., N. J., N. C., Fla., La., Kans.

2463. **Dictyophora lingula** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 470, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 186, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 71, 1912, *Nersia.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 526, 1914, *Nersia.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: N. J., N. C., Fla.

2464. **Dictyophora florens** (Stål)

Stål, Rio Jan. Hemip., ii, p. 64, 1861, *Nersia.*
Distant, Biol. Centr. Am., Homop., i, p. 41, pl. 6, fig. 8, 1887.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 470, 1908.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 72, 1912, *Nersia.*
nigromarginata Signoret, Ann. Soc. Ent. Fr., ser. 4, ii, p. 586, 1862.
Localities: Kans. (Neotropical.)

2465. **Dictyophora dioxys** (Walk.)

Walker, List Homop., Suppl., p. 61, 1858, *Nersia.*
Kirkaldy, Can. Ent., xli, p. 391, 1909.
curviceps Stål, Rio Jan. Hemip., ii, p. 64, 1861, *Nersia.*
Distant, Biol. Centr. Am., Homop., i, p. 40, pl. 6, fig. 4, 1887.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 74, 1912, *Nersia.*
Localities: Md., Miss. (Neotropical.)

Genus **Scolops** Schaum
Type *sulcipes* (Say)

Schaum, Ersch and Grube, Encyc., li, Article Fulgoridae, 1850.
Stål, Hemip. Afr., iv, p. 151, 1866.
Ashmead, Ent. Am., v, p. 21, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 219, 1889.
Uhler, Trans. Md. Acad. Sci., i, p. 401, 1900.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 471, 1908.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 162, 1912 (monograph).
Ornithissus Fowler, Biol. Centr. Am., Homop., i, p. 121, 1904. [236, 1906.
Melichar, Monog. Issiden, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p.

Subgenus **Scolops** Schaum
Van Duzee, Check List Hemip., p. 78, 1916.

2466. **Scolops sulcipes** (Say)
Say, Jl. Acad. Nat. Sci. Phila., iv, p. 335, 1825; Compl. Writ., ii, p. 254, *Ful-*
Uhler, Hayden's Surv. Terr. for 1870, p. 471, 1872. [*gora.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 349, 1876; iii, p. 458, 1877; iv, p.
Uhler, Wheeler's Rept. Chief Eng. for 1877, p. 1333. [510, 1878.
Uhler, Stand. Nat. Hist., ii, p. 230, fig. 305, 1884.
Provancher, Pet. Faune Ent. Can., iii, p. 219, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 189, 1894.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Uhler, Trans. Md. Acad. Sci., i, p. 402, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
?pungens Germar, Thon's Ent. Archiv., ii, p. 47, 1830, *Flata.*
Walker, List Homop., ii, p. 309, 1851, *Dictyophora.*
Burmeister, Handb. d. Ent., ii, p. 160, 1835, *Pseudophana.*
Westwood, Trans. Linn. Soc. Lond., xviii, p. 150, 1837, *Flata.*
Uhler, Trans. Md. Acad. Sci., i, p. 408, 1900.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 167, 1912.
Localities: Quebec, Ont., Me., R. I., Conn., N. Y., N. J., Pa., Md., Va., N. C., Fla., Ohio, Ill., Ia., Manitoba, Minn., Dak., Neb., Kans., Colo., Utah, N. Mex., Texas, Ariz., Ore., Wash.

2467. **Scolops osborni** Ball
Ball, Can. Ent., xxxiv, p. 147, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 166, 1912.
Localities: Ia., Kans.

2468. **Scolops spurcus** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 403, 1900.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 168, 1912.
Localities: N. J., Md., D. C., Mo., Kans.

2469. **Scolops desiccatus** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 407, 1900.
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 186, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 165, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
Localities: N. J., D. C., N. C., Fla., Ohio, Ind., Texas.

2470. **Scolops perdix** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 405, 1900.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 167, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
Localities: Mass., N. Y., N. J., Md., D. C., N. C., Colo., Ariz.

2471. **Scolops uhleri** Ball

Ball, Can. Ent., xxxiv, p. 148, 1902.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 169, 1912.
Localities: Colo., Utah, Ariz.

2472. **Scolops pallidus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 404, 1900.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 167, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 35, 1914.
Localities: Colo.(?), Utah(?), Calif.

2473. **Scolops cockerelli** (Fowl.)

Fowler, Biol. Centr. Am., Homop., i, p. 122, pl. 12, fig. 14, 1904, *Ornithissus*.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 236, 1906, *Ornithissus*.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 62, 1907.
Localities: Ariz. (Mexico.)

2474. **Scolops vanduzei** Ball

Ball, Can. Ent., xxxiv, p. 150, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 169, 1912.
Locality: Neb.

2475. **Scolops maculosus** Ball

Ball, Can. Ent., xxxiv, p. 148, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 166, 1912.
Locality: Colo.

2476. **Scolops viridis** Ball

Ball, Can. Ent., xxxiv, p. 149, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 170, 1912.
Locality: Colo.

2477. **Scolops angustatus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 350, 1876.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Uhler, Trans. Md. Acad. Sci., i, p. 406, 1900.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 164, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
Localities: Mass., Conn., N. Y., N. J., Md., D. C., N. C., Ga., Fla., Ohio, Ind., Ia., Dak., Neb., Minn., Colo.

2478. **Scolops robustus** Ball

Ball, Can. Ent., xxxiv, p. 150, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 168, 1912.
Locality: Colo.

2479. **Scolops abnormis** Ball

Ball, Can. Ent., xxxiv, p. 149, 1902.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 164, 1912.
Locality: Calif.

2480. **Scolops hesperius** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 349, 1876.
Uhler, Trans. Md. Acad. Sci., i, p. 404, 1900.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 165, 1912.
Localities: Texas, Colo., Idaho, Calif.

2481. **Scolops grossus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 350, 1876.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 233, 1896.
Uhler, Trans. Md. Acad. Sci., i, p. 408, 1900.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 94, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 165, 1912.
Localities: N. J., Kans., Colo., Idaho, Texas, Calif.

Subgenus **Belonocharis** Uhl.
Haplotype *fumida* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 145, 1891 (as genus).
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 161, 1912 (as genus).
Van Duzee, Check List Hemip., p. 78, 1916.

2482. **Scolops fumidus** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 146, 1891.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 161, 1912.
Locality: Calif.

2483. **Scolops piceus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 35, 1914.
Locality: Calif.

Genus **Phylloscelis** Germ.
Logotype *atra* Germ.

Germar, Zeit. f. Ent., i, p. 191, 1839.
Stål, Hemip. Afr., iv, p. 151, 1866.
Uhler, Stand. Nat. Hist., ii, p. 231, 1884.
Osborn, Ohio Nat., iv, p. 93, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, pp. 100, 178, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 469, 1907.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 172, 1912 (names *atra* type).

2484. **Phylloscelis atra** Germ.

Germar, Zeit. f. Ent., i, p. 192, 1839.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876.
Uhler, Stand. Nat. Hist., ii, p. 231, 1884.
Osborn, Ohio Nat., iv, pp. 93, 100, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 179, 1906.

Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 472, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 173, 1912.
Slingerland and Crosby, Manual Fruit Ins., p. 472, figs. 392, 393, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.

a. var. **albovenosa** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 179, fig. 39, 1906; vii, [p. 174, 1912.
Localities: Miss., N. Y., N. J., Pa., Md., D. C., Va., N. C., Ga., Fla., Ohio, Ill., Kans., Mo., Ark., Okla., Texas.

2485. **Phylloscelis pallescens** Germ.

Germar, Zeit f. Ent., i, p. 192, 1839.
Uhler, Stand. Nat. Hist., ii, p. 231, 1884.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 178, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 471, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 173, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 10, 1915.
Localities: Mass., N. Y., N. J., Pa., N. C., Fla., Ia., Ark., Texas.

TRIBE *ORGERIINI* (Oshan.)

Oshanin, Ann. Mus. Zool., Acad. Imp. Sci. St. Petersb., xii, p. 472, 1908, *Orge-*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 179, 1912, *Orgerini.* [*riaria.*
Oshanin, Revue Russe d'Ent., xiii, p. 3, 1913. (Key to palaearctic genera.)
Oshanin, Faune de la Russie, Hémip., iii, pt. 1, p. 8, 1913.

Genus **Orgerius** Stål
Haplotype *rhyparus* Stål

Stål, Freg. Eugen. Resa, Ins., p. 273, 1859.
Stål, Hemip. Afr., iv, p. 152, 1866.
Fieber, Cicad. d'Eur., i, p. 74, 1875.
Ashmead, Ent. Am., v, p. 6, 1889.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 469, 1908.
Oshanin, Ann. Mus. Zool. Acad. Imp. Sci. St. Petersb., xii, p. 473, 1908.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 197, 1912.
Horvath, Ann. Mus. Natl. Hung., xi, p. 452, 1913.
Nymphorgerius Oshanin, Revue Russe d'Ent., xiii, p. 3, 1913.
Oshanin, Faune de la Russie, Hémip., iii, pp. 12, 48, 1913.
(Genus *Ranissus* Fieb. now considered distinct.)

2486. **Orgerius rhyparus** Stål

Stål, Freg. Eugen. Resa, Ins., p. 274, 1859.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 199, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 34, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Locality: Calif.

2487. **Orgerius minor** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 202, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 208, 1912.
†*rhyparus* Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 472, 1908.
Localities: Colo., Calif.

2488. **Orgerius erectus** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 202, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 209, 1912.
Locality: Calif.

2489. **Orgerius compressus** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 202, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 209, 1912.
Locality: Utah.

Genus **Orgamara** Ball
Orthotype *acuta* Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 198, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 193, 1912.

2490. **Orgamara acuta** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 198, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 193, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 35, 1914.
Localities: Calif. (Mexico.)

2491. **Orgamara reducta** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 198, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 193, 1912.
Locality: Calif.

2492. **Orgamara obesa** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 199, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 194, 1912.
Locality: Utah.

2493. **Orgamara bipunctata** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 199, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 194, 1912.
Locality: Utah.

2494. **Orgamara obscura** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 200, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 194, 1912.
Locality: Idaho.

2495. **Orgamara albida** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 200, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 194, 1912.
Locality: Calif.

Genus **Timodema** Ball
Orthotype *miracula* Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 201, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 195, 1912.

2496. **Timodema miracula** Ball

Ball, Proc. Biol. Soc. Wash., xxii, p. 201, 1909.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 195, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 34, 1914.
Locality: Calif.

Genus **Ticida** Uhl.
Haplotype *cingulata* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 143, 1891.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 234, 1906.
Van Duzee, Can. Ent., xlvi, p. 387, 1914.
Loxophora Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, pp. 469, 472, 1908.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 210, 1912.

2497. **Ticida cingulata** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 144, 1891. [1912.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 234, 1906; vii, p. 196, *transversa* Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 473, 1908.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 210, 1912.
Localities: Colo., Utah.

Subfamily ACHILINAE (Stål)

Stål, Hemip. Afr., iv, p. 130, 1866, *Achilida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 784, 1870, *Achilina.*
Ashmead, Ent. Am., v, p. 23, 1889, *Achilini.* (Tribe.)
Fowler, Biol. Centr. Am., Homop., i, p. 103, 1904, *Achilina.*
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 176, 286, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 35, 1907.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906, *Achilidae.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 10, 95, 115, 1907, *Achilini.*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 468, 1908, *Achilida.* [(Tribe.)
Horvath, Ann. Mus. Natl. Hung., ix, p. 31, 1911, *Achilidae.*

Genus **Elidiptera** Spin.
Logotype *callosa* Spin.

Duponchel, Revue Zool., ii, p. 202, 1839 (nomen nudum; names *callosa* Spin.
Spinola, Ann. Soc. Ent. Fr., viii, p. 304, 1839. [type).
Spinola, Tavola Sinot., p. 52, 1850.
Van Duzee, Can. Ent., xlii, p. 262, 1910 (list of species).
Van Duzee, Check List Hemip., p. 79, 1916 (type written *collaris* by error).
‡*Helicoptera* Amyot and Serville, Hémip., p. 526, 1843.
Stål, Hemip. Afr., iv, pp. 182, 184, 1866.
Sahlberg, Cicad., p. 387, 1871.
Fieber, Cicad. d'Eur., i, p. 64, 1875; ii, p. 159, 1876.
Uhler, Stand. Nat. Hist., ii, p. 239, 1884.
Ashmead, Ent. Am., v, p. 23, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 219, 1889.
Fowler, Biol. Centr. Am., Homop., i, pp. 103, 106, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 475, 1908. (Key.)
Oshanin, Kat. Palae. Hemip., p. 120, 1912 (names *cincticeps* pseudo- [type).

2498. **Elidiptera colorata** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 476, 1908.
Van Duzee, Can. Ent., xlii, p. 262, 1910.
Locality: N. Y.

2499. **Elidiptera opaca** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 239, 1830; Compl. Writ., ii, p. 374, *Flata.*
Uhler, Stand. Nat. Hist., ii, p. 239, 1884, *Helicoptera.*
Van Duzee, Psyche, v, p. 389, 1890, *Helicoptera.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894, *Helicoptera.*
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904, *Helicoptera.*
Van Duzee, Proc. Acad. Nat. Sci., Phila., lix, p. 476, 1908, *Helicoptera.*
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Van Duzee, Can. Ent., xlii, p. 262, 1910; xliv, p. 325, 1912.
vestita Provancher, Pet. Faune Ent. Can., iii, p. 221, 1889, *Helicoptera.*
pinorum Manee, Ent. News, xxi, p. 117, 1910, *Helicoptera.*
Localities: Ont., N. H., N. Y., N. J., Pa., Md., N. C., Ga., Ind.

2500. **Elidiptera pallida** (Say)

Say, Jl. Acad. Nat. Sci. Phila, vi, p. 240, 1830; Compl. Writ., ii, p. 374, *Flata.*
Van Duzee, Psyche, v, p. 389, 1890, *Helicoptera.*
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904, *Helicoptera.*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 477, 1908, *Helicoptera.*
Van Duzee, Can. Ent., xlii, p. 262, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Localities: N. H., N. Y., N. J., Pa., D. C., Fla.

2501. **Elidiptera henshawi** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 83, 1910.
Localities: Calif., Wash.

2502. **Elidiptera slossoni** Van D.

Van Duzee, Proc. Acad. Nat. Sci., Phila., lix, p. 478, 1908, *Helicoptera.*
Locality: N. H.

2502½. **Elidiptera woodworthi** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 245, 1916.
Locality: Calif.

2503. **Elidiptera septentrionalis** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 220, 1889, *Helicoptera.*
Slosson, Ent. News, vi, p. 5, 1895, *Helicoptera.*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 478, 1908, *Helicoptera.*
Van Duzee, Can. Ent., xlii, p. 262, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Localities: Quebec, N. H., N. J.

2504. **Elidiptera floridae** (Walk.)

Walker, List Homop., ii, p. 326, 1851, *Monopsis.*
Gillette and Baker, Hemip. Colo., p. 69, 1895, *Helicoptera.*
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 83, 1910, *Helicoptera* (with doubt).

Van Duzee, Can. Ent., xlii, p. 262, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Localities: R. I., N. J., Fla., Colo.(?).

2505. **Elidiptera variegata** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 479, 1908, *Helicoptera*.
Van Duzee, Can. Ent., xlii, p. 263, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Localities: Ont., N. H., N. J., N. C.

2506. **Elidiptera fusiformis** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 82, 1910.
Locality: Calif.

Genus **Catonia** Uhl.
Logotype *nava* Say

Uhler, Proc. Zool. Soc. Lond. for 1895, p. 61.
Van Duzee, Proc. Acad. Sci. Phila., lix, p. 480, 1908. (Key.)
Van Duzee, Can. Ent., xlii, pp. 261, 263, 1910. (Key and list.)
Van Duzee, Check List Hemip., p. 79, 1916 (gives *nava* as type).

2507. **Catonia nava** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 238, 1830; Compl. Writ., ii, p. 373, *Flata*.
Walker, List Homop., ii, p. 469, 1851 (*Poeciloptera noeva*).
Van Duzee, Psyche, v, p. 389, 1890, *Phypia*.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 62.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 481, 1908.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Localities: Ont., N. Y., Md., Ohio, Ind., Ia.

2508. **Catonia cinctifrons** (Fitch)

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 451, 1856, *Cixius*.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 62.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 481, 1908.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. Y., N. J., Pa., Md., N. C.

2509. **Catonia bicinctura** Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 119, 1915.
Locality: Fla.

2510. **Catonia picta** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 481, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. J., N. C., Ga., Fla.

2511. **Catonia grisea** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 482, 1908.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Localities: Ont., N. Y.

2511½. **Catonia nemoralis** Van D.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 246, 1916.
Locality: Calif.

2512. **Catonia pumila** Van D.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 483, 1908.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Localities: N. Y., Ohio.

2513. **Catonia maculifrons** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 491, 1912.
Locality: Ariz.

2514. **Catonia impunctata** (Fitch)
Fitch, Homop. N. Y. St. Cab., p. 46, 1851, *Cixius.*
Van Duzee, Psyche, v, p. 390, 1890, *Myndus.*
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897, *Myndus.*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 482, 1908.
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 85, 1910.
Van Duzee, Can. Ent., xlii, pp. 261, 263, 1910.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: R. I., N. Y., N. J., Pa., N. C., Ia.

2515. **Catonia dimidata** Van D.
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 85, 1910.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
†*impunctata* var. *a*, Fitch, Homop. N. Y. St. Cab., p. 46, 1851, *Cixius.*
†*impunctata* female, Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 482, [1908.
Localities: R. I., N. Y.

2516. **Catonia irrorata** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 35, 1914.
Locality: Calif.

2517. **Catonia fusca** Van D.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 481, 1908.
Van Duzee, Can. Ent., xlii, p. 261, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 36, 1914.
Locality: Calif.

2518. **Catonia nervata** Van D.
Van Duzee, Can. Ent., xlii, pp. 262, 265, 1910.
Locality: Calif.

2519. **Catonia rubella** Van D.
Van Duzee, Can. Ent., xlii, pp. 262, 264, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 36, 1914.
Locality: Calif.

2520. **Catonia costata** Van D.
Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 86, 1910.
Van Duzee, Can. Ent., xlii, p. 262, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 36, 1914.
Locality: Calif.

2521. **Catonia cara** Van D.

Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 86, 1910.
Van Duzee, Can. Ent., xlii, p. 262, 1910.
Locality: Calif.

2521½. **Catonia succinea** Van D.

Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 247, 1916.
Locality: Calif.

2522. **Catonia majuscula** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 492, 1912.
Locality: Ariz.

2523. **Catonia producta** Van D.

Van Duzee, Pomona Jl. Ent. Zool., vii, p. 120, 1915.
Locality: Calif.

Subfamily CIXIINAE (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, pp. 202, 311, 1839, *Cixioides*.
Spinola, Tavola Sinot., p. 52, 1850, *Cixioideae* (part).
Walker, List Homop., ii, p. 335, 1851, *Cixioides* (part).
Stål, Hemip. Afr., iv, p. 129, 1866, *Cixiida*.
Stål, Of. Vet. Akad. Forh., xxvii, p. 746, 1870, *Cixiina*.
Sahlberg, Cicad., pp. 73, 377, 1871, *Cixiides*.
Berg, Hemip. Argent., p. 219, 1879, *Cixiina*.
Uhler, Stand. Nat. Hist., ii, p. 240, 1884, *Cixiida*.
Ashmead, Ent. Am., v, p. 2, 1889.
Melichar, Homop. Fauna Ceylon, p. 30, 1903, *Cixiidae*.
Fowler, Biol. Centr. Am., Homop., i, p. 80, 1904, *Cixiidae*.
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 176, 255, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 10, 95, 106, 1907, *Cixiini*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 33, 1907. (Tribe.)
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, pp. 468, 484, 1908, *Cixiida*. (Key.)
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Oshanin, Kat. Palae. Hemip., p. 114, 1912, *Cixiidae*. (Family.)

Genus **Bothriocera** Burm.
Haplotype *tinealis* Burm.

Burmeister, Handb. d. Ent., ii, p. 146, 156, 1835.
Stål, Hemip. Afr., iv, p. 164, 1866.
Fowler, Biol. Centr. Am., Homop., i, p. 82, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 484, 1908.
Adana Stål, Of. Vet. Akad. Forh., xiii, p. 162, 1856.
Stål, Hemip. Afr., iv, p. 164, note, 1866.

2524. **Bothriocera tinealis** Burm.

Burmeister, Handb. d. Ent., ii, p. 156, 1835.
Fowler, Biol. Centr. Am., Homop., i, p. 82, pl. 9, figs. 11, 12, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 484, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.

a. var. **westwoodi** Stål

Stål, Of. Vet. Akad. Forh., xiii, p. 163, 1856, *Adana.*
Stål, Stet. Ent. Zeit., xxv, p. 50, 1864.
Fowler, Biol. Centr. Am., Homop., i, p. 82, 1904.
†*signoreti* Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 33, 1907.
Localities: N. C., Fla. (West Indies.)

2525. **Bothriocera signoreti** Stål

Stål, Stet. Ent. Zeit., xxv, p. 50, 1864.
Uhler, Stand. Nat. Hist., ii, p. 240, 1884.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 60.
Fowler, Biol. Centr. Am., Homop., i, p. 82, pl. 9, fig. 13, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 33, 1907.
Localities: Md., Ga., Fla., Texas. (Mexico.)
(May not be distinct from preceding.)

2526. **Bothriocera undata** (Fabr.)

Fabricius, Syst. Rhyng., p. 101, 1803, *Issus.*
Germar, Thon's Archiv. Ent., ii, p. 51, 1830, *Issus.*
Walker, List Homop., ii, p. 372, 1851, *Issus.*
Stål, Hemip. Fabr., ii, p. 93, 1869.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 60.
Swezey, Ohio Dept. Agr., Div. Nurs. Orch. Insp., Bul. 3, p. 22, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 485, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Localities: Fla. (West Indies.)

2527. **Bothriocera(?) bicornis** (Fabr.)

Fabricius, Syst. Rhyng., p. 101, 1803, *Issus.*
Germar, Thon's Archiv. Ent., ii, p. 51, 1830, *Issus.*
Walker, List Homop., ii, p. 372, 1851, *Issus.*
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 60.
Localities: N. J., Md., N. C., Fla., Texas. (Neotropical.)
(North American localities may refer to *undata.*)

Genus **Oliarus** Stål
Logotype *walkeri* (Stål)

Stål, Berl. Ent. Zeit., vi, p. 306, 1862.
Stål, Hemip. Afr., iv, pp. 164, 166, 1866.
Sahlberg, Cicad., p. 384, 1871.
Fieber, Cicad. d'Eur., i, p. 69, 1875; ii, p. 187, 1876.
Mayr, Tabellen, p. 17, 1884.
Ashmead, Ent. Am., v, p. 25, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 222, 1889.
Edwards, Hemip. Homop. Brit. Isds., p. 23, 1896.
Melichar, Cicad. Mitt. Eur., pp. 19, 29, 1896, *Oliarius.*
Kirkaldy, Fauna Hawai., iii, p. 119, 1902.
Fowler, Biol. Centr. Am., Homop., i, p. 92, 1904. [type).
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 255, 256, 1906 (names *walkeri* Stål
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, pp. 396, 397, 1906; iii, pp. 106, 107,
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 485, 1908. (Key.) [1907.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 76, 1909.

Oshanin, Kat. Palae. Hemip., p. 116, 1912 (names *pallens* Germ. type).
Pentastira Kirschbaum, Cicad. v. Wiesbd., pp. 11, 44, 1868.
Pentastiridius Kirschbaum, Cicad. v. Wiesbd., pp. 11, 45, 1868.

2528. **Oliarus quinquelineatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 241, 1830; Compl. Writ., ii, p. 375, *Flata.*
Fitch, Homop. N. Y. St. Cab., p. 46, 1851, *Cixius.*
Walker, List Homop., ii, p. 470, 1851, *Poeciloptera;* Suppl., p. 135, 1858, *Cixius.*
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 223, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 486, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912. [1902, *Flata.*
§*quadrilineata* Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 230,
Localities: Quebec, Ont., N. Y., N. J., Ohio, Fla., Colo.

2529. **Oliarus placitus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 493, 1912.
Localities: Ga., Fla.

2530. **Oliarus vicarius** (Walk.)

Walker, List Homop., ii, p. 343, 1851, *Cixius.*
?Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 458, 1877, *Cixius.*
?Gillette and Baker, Hemip. Colo., p. 69, 1895, *Cixius.*
Distant, Ann. Mag. Nat. Hist., ser. 7, xix, p. 280, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 486, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Localities: Md.(?), Ga., Fla., Texas(?), Colo.(?).

2531. **Oliarus franciscanus** (Stål)

Stål, Freg. Eugen. Resa., Ins., p. 273, 1859, *Cixius.*
Stål, Berl. Ent. Zeit., vi, p. 306, 1862.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876, *Cixius.*
Gillette and Baker, Hemip. Colo., p. 69, 1895.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 22, 1908.
complectus Ball, Can. Ent., xxxiv, p. 152, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 33, 1907.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 488, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 188, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 37, 1914.
Localities: Mass., N. Y., N. J., Pa., Md., D. C., Fla., Ohio, Kans., Colo., Ariz., Calif. (West Indies.)

2532. **Oliarus aridus** Ball

Ball, Can. Ent., xxxiv, p. 151, 1902.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 486, 1908.

breviceps Fowler, Biol. Centr. Am., Homop., i, p. 94, pl. 10, fig. 19, 1905.
Localities: Kans., Colo., Calif. (Mexico.)

2533. **Oliarus californicus** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 36, 1914.
Locality: Calif.

2534. **Oliarus sementinus** Ball
Ball, Can. Ent., xxxiv, p. 152, 1902.
Locality: Colo.

2535. *See* 2531

2536. **Oliarus fidus** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 37, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 247, 1916.
Locality: Calif.

2537. **Oliarus slossoni** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 494, 1912 (n.n. for *hyalinus* Van D.).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
‖*hyalinus* Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 487, 1908.
Locality: Fla.
(May pertain to genus *Iolania* Kirk.)

2538. **Oliarus difficilis** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 494, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Locality: Fla.

2539. **Oliarus pima** Kirk.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 62, 1907.
Locality: Ariz.

2540. **Oliarus humilis** (Say)
Say, Jl. Acad. Nat. Sci. Phila., vi, p. 241, 1830; Compl. Writ., ii, p. 376, [*Flata.*
Walker, List Homop., ii, p. 470, 1851, *Poeciloptera.*
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Osborn, Ohio Nat., iv, p. 100, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 488, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Localities: Ont., N. Y., N. J., Pa., Ohio.

2541. **Oliarus cinnamomeus** Prov.
Provancher, Pet. Faune Ent. Can., iii, p. 223, 1889.
Van Duzee, Proc. Acad. Nat. Sci., Phila., lix, p. 488, 1908.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Localities: N. H., Mass., N. Y., Vanc. Isd.

Genus **Monorachis** Uhl.
Haplotype *sordulentus* Uhl.

Uhler, Proc. Ent. Soc. Wash., iv, p. 509, 1901.

2542. **Monorachis sordulentus** Uhl.

Uhler, Proc. Ent. Soc. Wash., iv, p. 510, 1901.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 484, 1908.
aspersa Fowler, Biol. Centr. Am., Homop., i, p. 87, 1904, *Metabrixia?*
Localities: Fla. (Mexico.)

Genus **Platycixius** Van D.
Orthotype *calvus* Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 37, 1914.

2543. **Platycixius calvus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 38, 1914.
Locality: Calif.

Genus **Cixius** Latr.
Logotype *nervosus* (Linn.)

Latreille, Hist. Nat. Crust. Ins., xii, p. 310, 1804.
Latreille, Genera Crust. Ins., iii, p. 166, 1807.
Leach *in* Brewster's Edinbg. Encyc., ix, p. 125, 1815.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 216, 1829.
Curtis, Brit. Ent., xiv, pl. 673, 1837 (names *nervosus* type).
Duponchel, Revue Zool., ii, p. 203, 1839 (names *servillei* Spin. pseudotype).
Spinola, Ann. Soc. Ent. Fr., viii, p. 323, 1839.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 115, 1840 (names *cunicularius*
Blanchard, Hist. des. Ins., Hémip., p. 173, 1840. [pseudotype).
Zetterstedt, Ins. Lapp., column 303, 1840.
Amyot and Serville, Hémip., p. 507, 1843.
Spinola, Tavola Sinot., p. 52, 1850.
Walker, List. Homop., ii, p. 339, 1851.
Flor, Rhyn. Livl., ii, p. 15, 1861.
Stål, Hemip. Afr., iv, pp. 164, 169, 1866.
Kirschbaum, Cicad. v. Wiesbd., pp. 11, 46, 1868.
Sahlberg, Cicad., pp. 73, 377, 1871.
Fieber, Cicad. d'Eur., i, p. 68, 1875; ii, p. 166, 1876.
Mayr, Tabellen, p. 16, 1884.
Ashmead, Ent. Am., v, p. 25, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 221, 1889.
Edwards, Trans. Ent. Soc. Lond. for 1888, p. 51.
Melichar, Cicad. Mitt. Eur., pp. 18, 21, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 24, 1896.
Fowler, Biol. Centr. Am., Homop., i, pp. 80, 96, 1904.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 259, 1906.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906. (Key.)
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, pp. 484, 488, 1908. (Key.)
†*Flata* Germar, Silb. Revue Ent., i, p. 175, 1833.
‡*Cixia* Burmeister, Handb. d. Ent., ii, p. 156, 1835.

2544. **Cixius dorsivittatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 188, 1909 (n.n. for *dorsalis* Van D.).
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
‖*dorsalis* Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 491, 1908.
Locality: Fla.

2545. **Cixius misellus** Van D.

Van Duzee, Check List Hemip., p. 79, 1916 (n.n. for *stigmatus* Van D. 1906).
†*stigmatus* Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876.
Uhler, Stand. Nat. Hist., ii, p. 240, 1884.
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 222, 1889.
Van Duzee, Psyche, v, p. 389, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Gillette and Baker, Hemip. Colo., p. 68, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906 (species defined).
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 490, 1908.
Van Duzee, Can. Ent., xl, p. 114, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 95, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Localities: Quebec, Ont., N. H., Mass., R. I., N. Y., N. J., Pa., N. C., Ga., Mich., Ill., Colo., Texas.

2546. **Cixius basalis** Van D.

Van Duzee, Proc. Acad. Nat. Sci., Phila., lix, p. 489, 1908.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Quebec, Ont., N. H., Mass., R. I., N. Y., Ga., Colo., Texas, Calif., Brit. Col.

2547. **Cixius coloepium** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 452, 1856.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Slosson, Ent. News, viii, p. 240, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 490, 1908.
Localities: Ont., N. H., N. Y., Pa., Ohio, Colo.

2548. **Cixius pini** Fitch

Fitch, Homop. N. Y. St. Cab., p. 45, 1851.
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 490, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
Localities: Quebec, Ont., Mass., N. Y., Pa., N. C.

2549. **Cixius stigmatus** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 336, 1825; Compl. Writ., ii, p. 255, [*Flata.*
Fitch, Homop. N. Y. St. Cab., p. 45, 1851.
Walker, List Homop., ii, p. 469, 1851, *Poeciloptera:* iv, p. 1135, 1852.
Osborn, Ohio Nat., iv, p. 100, 1904.

?Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
?Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
lepidus Van Duzee, Trans. Am. Ent. Soc., xxxvi, p. 87, 1910.
Localities: Mo., Kans., Colo.

2550. **Cixius cultus** Ball

Ball, Can. Ent., xxxiv, p. 151, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 37, 1914.
Localities: Kans., Colo., Calif.

Cixius albicinctus Germ.

Smith, Cat. Ins. N. J., edn. 2, p. 88, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Localities: N. J., Pa. (Europe.)
(Probably an erroneous determination.)

Genus **Microledrida** Fowl.
Haplotype *asperata* Fowl.

Fowler, Biol. Centr. Am., Homop., i, p. 99, 1904.

2551. **Microledrida fuscata** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 38, 1914.
Locality: Calif.

Genus **Oeclidius** Van D.
Haplotype *nanus* Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 40, 1914.

2552. **Oeclidius nanus** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 40, 1914.
Locality: Calif.

Genus **Oecleus** Stål
Logotype *seminiger* Stål

Stål, Berl. Ent. Zeit., vi, p. 306, 1862.
Stål, Hemip. Afr., iv, p. 165, 1866.
Fowler, Biol. Centr. Am., Homop., i, pp. 80, 84, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 484, 1908.

2553. **Oecleus decens** Stål

Stål, Berl. Ent. Zeit., vi, p. 307, 1862.
Townsend, Psyche, vi, p. 353, 1892.
Townsend, Can. Ent., xxiv, p. 197, 1892; xxvi, p. 316, 1894.
Fowler, Biol. Centr. Am., Homop., i, p. 90, pl. 10, figs. 6, 7, 1904.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 40, 1914.
Localities: N. Mex., Calif. (Mexico.)

2554. **Oecleus borealis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 495, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
†*decens* Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 188, 1909.
?Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Localities: N. Y., N. J., D. C., Fla.

2555. **Oecleus obtusus** Ball

Ball, Can. Ent., xxxiv, p. 155, 1902.
Localities: Kans., Colo., Utah, Ariz.

2556. **Oecleus lineatus** Ball

Ball, Can. Ent., xxxiv, p. 154, 1902.
Locality: Ariz.

2557. **Oecleus excavatus** Ball

Ball, Can. Ent., xxxiv, p. 155, 1902.
Locality: Colo.

2558. **Oecleus campestris** Ball

Ball, Can. Ent., xxxiv, p. 156, 1902.
Locality: Colo.

2559. **Oecleus pellucens** Fowl.

Fowler, Biol. Centr. Am., Homop., i, p. 90, pl. 10, figs. 8, 9, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 497, 1912.
Localities: Ariz. (Mexico.)

2560. **Oecleus capitulatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 495, 1912 (misprinted *capitualatus*).
Locality: Ariz.

2561. **Oecleus snowi** Ball

Ball, Proc. Biol. Soc. Wash., xviii, p. 117, 1905.
Snow, Kans. Univ. Sci. Bul., ii, p. 349, 1904.
Locality: Ariz.

2562. **Oecleus fulvidorsum** Ball

Ball, Can. Ent., xxxiv, p. 157, 1902.
Localities: Colo., Ariz.

2563. **Oecleus quadrilineatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 496, 1912.
Locality: Ariz.

2564. **Oecleus nervosus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 496, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 40, 1914.
Locality: Calif.

Genus **Myndus** Stål
Logotype *musivus* (Germ.)

Stål, Berl. Ent. Zeit., vi, p. 307, 1862.
Stål, Hemip. Afr., iv, p. 165, 1866.
Fieber, Cicad. d'Eur., i, p. 61, 1875; ii, p. 157, 1876.
Mayr, Tabellen, p. 16, 1884.
Ashmead, Ent. Am., v, p. 4, 1889.
Melichar, Cicad. Mitt. Eur., pp. 18, 20, 1896.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 484, 1908.
Entithena Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 499, 1866.

2565. **Myndus pictifrons** Stål

Stål, Berl. Ent. Zeit., vi, p. 307, 1862.
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, 491, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 11, 1915.
Localities: N. Y., N. J., D. C., N. C., Ohio.

2566. **Myndus sordidipennis** Stål

Stål, Berl. Ent. Zeit., vi, p. 308, 1862.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 491, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
†*impunctatus* Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894.
Gillette and Baker, Hemip. Colo., p. 69, 1895.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Localities: Ont., N. Y., N. J., Pa., Ga., Colo.

2567. **Myndus delicatus** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 492, 1908.
Locality: Fla.

2568. **Myndus impiger** Ball

Ball, Can. Ent., xxxiv, p. 153, 1902.
Myndus sp., Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Locality: Colo.

2569. **Myndus slossoni** Ball

Ball, Can. Ent., xxxiv, p. 154, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 188, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Localities: Ga., Fla.

2570. **Myndus enotatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 188, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Localities: Ga., Fla.

2571. **Myndus lunatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 189, 1909.
Locality: Fla.

2572. **Myndus viridis** Ball

Ball, Can. Ent., xxxiv, p. 153, 1902.
Osborn, Ohio Nat., iv, p. 100, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Localities: N. J., Ohio, Ia., Colo.

2573. **Myndus pusillus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 190, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Locality: Fla.

2574. **Myndus fulvus** Osb.

Osborn, Ohio Nat., iv, p. 46, 1903; p. 100, 1904.
Localities: Mass., Conn., Ohio.

2575. **Myndus radicis** Osb.

Osborn, Ohio Nat., iv, p. 42, 1903; p. 100, 1904.
Locality: Ohio.

2576. **Myndus occidentalis** Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 39, 1914.
Locality: Calif.

Subfamily TROPIDUCHINAE (Stål)

Stål, Hemip. Afr., iv, pp. 130, 186, 1866, *Tropiduchida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 748, 1870, *Tropiduchina.*
Berg, Hemip. Argent., p. 227, 1879, *Tropiduchina.*
Ashmead, Ent. Am., v, p. 23, 1889, *Tropiduchini* (Tribe).
Fowler, Biol. Centr. Am., Homop., i, p. 103, 1904, *Tropiduchina.*
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 177, 272, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 35, 1907.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 9, 92, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, pp. 468, 474, 1908, *Tropiduchida.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 31, 1911.
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 1, 1914.
Eutropistidae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906.

Genus **Neurotmeta** Guer.
Haplotype *sponsa* Guer.

Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 180, 1856.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, vii, p. 174, 1912.
?*Tangia* Stål, Berl. Ent. Zeit., iii, p. 317, 1859.
Stål, Hemip. Afr., iv, p. 186, 1866. [Walk. type).
Melichar, Verh. Naturf. Vereins. Brunn, liii, p. 100, 1914 (names *viridis*

2577. **Neurotmeta sponsa** Guer.

Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 180, 1856, *Pseudophana* (suggests [a n.gen., *Neurotmeta* for this species).
Uhler, Stand. Nat. Hist., ii, p. 231, 1884, *Tangia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 35, 1907, *Tangia.*
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 101, 1914, *Tangia.*
Localities: Fla. (West Indies.)

Genus **Monopsis** Spin.
Haplotype *tabida* Spin.

Spinola, Ann. Soc. Ent. Fr., viii, p. 302, 1839.
Amyot and Serville, Hémip., p. 507, 1843.
Stål, Hemip. Afr., iv, p. 188, 1866.
Ashmead, Ent. Am., v, p. 21, 1889.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 98, 1907.
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 81, 1914.

2578. **Monopsis tabida** Spin.

Spinola, Ann. Soc. Ent. Fr., viii, p. 304, pl. 10, fig. 4, 1839.
Amyot and Serville, Hémip., p. 507, 1843.
Walker, List Homop., ii, p. 325, 1851.

Uhler, Stand. Nat. Hist., ii, p. 232, 1884.
?Southwick, Science, xix, p. 357, 1892.
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 82, 1894.
Locality: Fla. (perhaps oriental).

Genus **Pelitropis** Van D.
Haplotype *rotulata* Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 474, 1908.
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 81, 1914.

2579. **Pelitropis rotulata** Van D.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 474, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 187, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Melichar, Verh. Naturf. Vereins Brünn, liii, p. 81, 1914.
Locality: Fla.

Subfamily ISSINAE (Spin.)
Spinola, Ann. Soc. Ent. Fr., viii, p. 204, 1839, *Issites.*
Amyot and Serville, Hémip., pp. lvii, 516, 1843, *Issides* (Groupe).
Walker, List Homop., ii, p. 361, 1851, *Issoides* and *Issites* (part).
Stål, Of. Vet. Akad. Forh., xviii, p. 207, 1861, *Issida.*
Stål, Hemip. Afr., iv, pp. 131, 202, 1866, *Issida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 754, 1870, *Issina.*
Sahlberg, Cicad., p. 73, 1871, *Issides.*
Fieber, Kat. Eur. Cicad., p. 4, 1872, *Issidae.*
Fieber, Cicad. d'Eur., i, p. 75, 1875, *Issida.*
Berg, Hemip. Argent., p. 228, 1879, *Issina.*
Uhler, Stand. Nat. Hist., ii, p. 233, 1884, *Issida.*
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Cicad. Mitt. Eur., p. 18, 1896, *Issini.*
Fowler, Biol. Centr. Am., Homop., i, p. 113, 1904, *Issidae.*
Swezey, Ohio Dept. Agr., Div. Nurs. Orch. Insp., Bul. 3, p. 11, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 1, 1906, *Issiden.*
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 177, 332, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 36, 1907.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 9, 94, 102, 1907.
Oshanin, Verz. Palae. Hemip., ii, p. 253, 1907, *Issina.*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 468, 1908, *Issida.*
Horvath, Ann. Mus. Natl. Hung., ix, p. 32, 1911, *Issidae.* [tribes.)
Matsumura, Trans. Sapporo Nat. Hist. Soc., vi, p. 85, 1916, *Issiden.* (Key to

TRIBE *CALISCELINI* (A. & S.)
Amyot and Serville, Hémip., pp. lvii, 509, 1843, *Caloscélides.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, pp. 3, 4, 1906, *Caliscelidae.*
Matsumura, Trans. Sapporo Nat. Hist. Soc., vi, p. 88, 1916.

Genus **Fitchiella** n.n.
Haplotype *robertsoni* (Fitch)

‖*Naso* Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 396, 1856.
Uhler, Stand. Nat. Hist., ii, p. 234, 1884.
Ashmead, Ent. Am., v, p. 6, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 17, 1906.

2580. **Fitchiella robertsoni** (Fitch)

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 396, 1856, *Naso.*
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876, *Naso.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 18, 1906, *Naso.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 191, 1909, *Naso.*
Localities: N. Y., Md., Fla., Ind., Ill., Kans., Ark., Okla., Texas. (Central Am.)

2581. **Fitchiella fitchi** (Melich.)

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 19, fig. 4, 1906, *Naso.*
Localities: Kans., Colo.

2582. **Fitchiella melichari** (Ball)

Ball, Proc. Biol. Soc. Wash., xxiii, p. 42, 1910, *Naso.*
Locality: Ariz.

Genus **Bruchomorpha** Newm.
Haplotype *oculata* Newm.

Newman, Ent. Mag., v, p. 399, 1838.
Stål, Of. Vet. Akad. Forh., xviii, p. 207, 1861.
Stål, Hemip. Afr., iv, p. 203, 1866.
Ashmead, Ent. Am., v, p. 6, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 252, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 20, 1906.
Embolonia Provancher, Pet. Faune Ent. Can., iii, p. 253, 1889.
Lallemand, Genera Ins., fasc. 143, p. 67, 1913.

2583. **Bruchomorpha oculata** Newm.

Newman, Ent. Mag., v, p. 399, 1838.
Walker, List Homop., ii, p. 395, 1851.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876.
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 253, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Osborn, Ohio Nat., i, p. 11, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 552, 1905.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 22, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Van Duzee, Can. Ent., xliv, p. 327, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
§ocellata Uhler, Hayden's Surv. Terr., Rept. for 1870, p. 472, 1872.
americanus Provancher, Natl. Can., iv, p. 350, 1872, *Cephalelus.*
tricarinata Provancher, Pet. Faune Ent. Can., iii, p. 254, 1889, *Embolonia.*
Lallemend, Genera Ins., fasc. 143, p. 67, 1913.
Localities: Quebec, One., N. Y., N. J., Pa., Md., Va., N. C., Ill., Wis., Ia., Neb., Okla., Colo., Texas.

2584. **Bruchomorpha pallidipes** Stål

Stål, Berl. Ent. Zeit., vi, p. 309, 1862.
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 459, 1877.

Gillette and Baker, Hemip. Colo., p. 70, 1895.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 25, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 190, 1909.
Localities: Va., S. C., Fla., Kans., Colo.

2585. **Bruchomorpha dorsata** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 396, 1856.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876.
Uhler, Stand. Nat. Hist., ii, p. 234, 1884.
Van Duzee, Psyche, v, p. 388, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 125, 1892.
Osborn, Ohio Nat., iv, p. 100, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 23, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., xii, p. 26, 1913.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
flavo-vittata Stål, Berl. Ent. Zeit., vi, p. 309, 1862.
Localities: N. Y., N. J., N. C., Ohio, Wis., Ia., Kans., Mo., Ark., Okla., Colo., Texas. (Mexico.)

2586. **Bruchomorpha suturalis** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, p. 24, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 190, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: N. C., Fla., Colo., Texas.

2587. **Bruchomorpha mormo** Kirk.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 64, 1907; iii, p. 105, 1907.
Kirkaldy, Can. Ent., xxxix, p. 249, 1907.
Locality: Ariz.

2588. **Bruchomorpha tristis** Stål

Stål, Berl. Ent. Zeit., vi, p. 309, 1862.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 23, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 191, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: Ont., N. Y., N. J., D. C., N. C., Fla., Wis., Texas, Calif. (Central Am.)

2589. **Bruchomorpha nasuta** Stål

Stål, Berl. Ent. Zeit., vi, p. 310, 1862.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 22, 1906.
Localities: Pa., Wis.

2590. **Bruchomorpha jocosa** Stål

Stål, Berl. Ent. Zeit., vi, p. 310, 1862.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 25, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 191, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Localities: S. C., Fla., Kans., Texas.

Genus **Aphelonema** Uhl.
Haplotype *simplex* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 356, 1876.
Ashmead, Ent. Am., v, p. 5, 1889.
Oshanin, Kat. Palae. Hemip., p. 121, 1912.
‖*Peltonotus* Mulsant and Rey, Ann. Soc. Linn. Lyons, ii, p. 206, 1855.
Stål, Of. Vet. Akad. Forh., xviii, p. 207, 1861.
Stål, Hemip. Afr., iv, p. 203, 1866.
Fieber, Cicad. d'Eur., i, p. 73, 1875; ii, p. 224, 1876.
Mayr, Tabellen, p. 17, 1884.
Melichar, Cicad. Mitt. Eur., pp. 19, 36, 1896. [*tonotus* M. & R.).
Peltonotellus Puton, Cat. Hemip. Palae., edn. 3, p. 70, 1886 (n.n. for *Pel-*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, pp. 5, 28, 1906.

2591. **Aphelonema histrionica** (Stål)

Stål, Berl. Ent. Zeit., vi, p. 310, 1862, *Peltonotus.*
Van Duzee, Can. Ent., xxi, p. 8, 1889, *Peltonotus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894, *Peltonotus.*
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897, *Peltonotus.*
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905, *Peltonotellus.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 33, 1906, *Peltonotellus.*
Localities: Ont., Mass., N. Y., Wis., Ia., Nevada.

2592. **Aphelonema rugosa** (Ball)

Ball, Can. Ent., xxxiv, p. 263, 1902, *Peltonotellus.* [*tellus*).
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 34, fig. 8, 1906, *Peltono-*
Localities: Md., Ia., Kans., Colo., Dak., Brit. Am.

2593. **Aphelonema bivittata** (Ball)

Ball, Can. Ent., xxxiv, p. 263, 1902, *Peltonotellus.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 35, 1906, *Peltonotellus.*
Localities: Ia., Neb., Kans., Colo.

2594. **Aphelonema simplex** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 356, 1876.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 34, 1906.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Localities: N. J., Md., Ia., Dak., Kans.

2595. **Aphelonema decorata** (Van D.)

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 492, 1908, *Peltonotellus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 191, 1909; x, p. 500, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 527, 1914.
Locality: Fla.

2596. **Aphelonema obscura** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 499, 1912.
Locality: Ga.

TRIBE *ISSINI* (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, p. 205, 1839, *Issoides.*
Amyot and Serville, Hémip., pp. lvii, 516, 1843, *Issides.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, pp. 3, 100, 1906, *Issidae.*

Genus **Hysteropterum** A. & S.
Logotype *immaculatus* (H. S.)

Amyot and Serville, Hémip., p. 519, 1843.
Fieber, Cicad. d'Eur., i, p. 78, 1875.
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Cicad. Mitt. Eur., pp. 19, 44, 1896.
Fowler, Biol. Centr. Am., Homop., i, pp. 113, 119, 1904. [type).
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 333, 341, 1906 (names *immaculatum*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, pp. 101, 116, 1906.

2597. **Hysteropterum cornutum** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 147, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 493, 1908.
Localities: Colo., Utah, Calif.

2598. **Hysteropterum unum** Ball
Ball, Proc. Biol. Soc. Wash., xxiii, p. 43, 1910.
Locality: Colo.

2599. **Hysteropterum punctiferum** Walk.
Walker, List. Homop., ii, p. 376, 1851.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 148, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 191, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
aciculatus Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 353, 1876, *Issus*.
Localities: Fla., Colo., Texas.

2600. **Hysteropterum auroreum** (Uhl.)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876, *Issus*.
Dyar, Proc. Ent. Soc. Wash., v, p. 43, 1902, *Issus* (parasitized).
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 148, 1906.
Locality: Texas.

Genus **Tylana** Stål
Logotype *cristata* (Fabr.)

Stål, Of. Vet. Akad. Forh., xviii, p. 208, 1861 (nomen nudum here).
Stål, Rio Jan. Hemip., ii, p. 67, 1862 (valid here).
Stål, Hemip. Afr., iv, p. 213, 1866.
Stål, Of. Vet. Akad. Forh., xxvii, p. 762, note, 1870.
Uhler, Stand. Nat. Hist., ii, p. 234, 1884.
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 198, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 102, 105, 1907.
Distant, Ann. Mag. Nat. Hist., ser. 8, iv, p. 76, 1909 (names *cristata* type).

2601. **Tylana ustulata** Uhl.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 354, 1876.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 202, 1906.
Localities: Colo., Ariz.

Genus **Misodema** Melich.
Haplotype *reticulata* (Melich.)

Melichar, Wien. Ent. Zeit., xxvi, p. 324, 1907 (n.n. for *Rileya* Melich.).
‖*Rileya* Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 161, 1906.
Van Duzee, Check List Hemip., p. 81, 1916.

2602. **Misodema reticulata** (Melich.)
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 161, 1906, *Rileya.*
Van Duzee, Check List Hemip., p. 81, 1916, *Rileya.*
Localities: Texas. (Mexico.)

Genus **Dictyssa** Melich.
Logotype *areolata* Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 163, 1906.

2603. **Dictyssa fusca** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 163, 1906.
Locality: Calif.

2604. **Dictyssa marginepunctata** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 164, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2605. **Dictyssa clathrata** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 164, 1906.
Locality: Calif.

2606. **Dictyssa areolata** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 164, 1906.
Locality: Calif.

2607. **Dictyssa ovata** Ball
Ball, Proc. Biol. Soc. Wash., xxiii, p. 44, 1910.
Localities: Calif. (Mexico.)

2608. **Dictyssa fenestrata** Ball
Ball, Proc. Biol. Soc. Wash., xxiii, p. 44, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2609. **Dictyssa transversa** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2610. **Dictyssa mutata** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 165, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2611. **Dictyssa obliqua** Ball
Ball, Proc. Biol. Soc. Wash., xxiii, p. 45, 1910.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Localities: Calif. (Mexico.)

2612. **Dictyssa semivitrea** (Prov.)
Provancher, Pet. Faune Ent. Can., iii, p. 218, 1889, *Hysteropterum.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 165, 1906.
Van Duzee, Can. Ent., xliv, p. 325, 1912, *Hysteropterum.*
Locality: Calif.

Genus **Dictyonissus** Uhl.
Haplotype *griphus* Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 355, 1876.
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 165, 1906.

2613. **Dictyonissus griphus** Uhl.

Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 356, 1876.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 166, fig. 29, 1906.
Localities: Texas, Calif. (Centr. Am.)

Genus **Naethus** Stål
Haplotype *vitripennis* (Stål)

Stål, Of. Vet. Akad. Forh., xvii, p. 208, 1861 (nomen nudum here).
Stål, Rio Jan. Hemip., ii, p. 67, 1862 (valid here).
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 166, 1906.

2614. **Naethus grossus** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 167, 1906.
Locality: Calif.

2615. **Naethus maculatus** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 167, 1906.
Locality: Calif.

2616. **Naethus fenestratus** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 167, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2617. **Naethus nigronervosus** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 168, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Localities: Ariz., Calif.

2618. **Naethus vitripennis** (Stål)

Stål, Of. Vet. Akad. Forh., xi, p. 247, 1854, *Hysteropterum*.
Stål, Freg. Eugen. Resa, Ins., p. 279, 1859, *Hysteropterum*.
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 356, 1876.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 168, fig. 30, 1906.
Localities: Ariz., Calif.

Genus **Dictyobia** Uhl.
Haplotype *permutata* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 39, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 169, 1906.

2619. **Dictyobia permutata** Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 39, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 169, fig. 31, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 41, 1914.
Locality: Calif.

2620. **Dictyobia atra** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 42, 1914.
Locality: Calif.

2621. **Dictyobia combinata** Ball
Ball, Proc. Biol. Soc. Wash., xxiii, p. 43, 1910.
Locality: Calif.

Genus **Dictyonia** Uhl.
Haplotype *obscura* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 40, 1889.

2622. **Dictyonia obscura** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 41, 1889.
Locality: Calif.

Genus **Dyctidea** Uhl.
Logotype *angustata* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 37, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 170, 1906.

2623. **Dyctidea angustata** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 37, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 170, fig. 37, 1906.
Locality: Calif.

2624. **Dyctidea intermedia** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 38, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 171, 1906.
Locality: Calif.

Genus **Danepteryx** Uhl.
Haplotype *manca* Uhl.

Uhler, Trans. Md. Acad. Sci., i, p. 42, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 174, 1906.

2625. **Danepteryx manca** Uhl.
Uhler, Trans. Md. Acad. Sci., i, p. 42, 1889.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 174, fig. 35, 1906.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 42, 1914.
Locality: Calif.

2626. **Danepteryx lurida** Melich.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 175, 1906.
Locality: Calif.

2627. **Danepteryx barbarae** Kirk.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 23, 1908.
Locality: Calif.

2628. **Danepteryx artemesiae** Kirk.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 23, 1908.
Locality: Calif.

Genus **Osbornia** Ball
Orthotype *cornuta* Ball

Ball, Proc. Biol. Soc. Wash., xxiii, p. 41, 1910.

2629. **Osbornia cornuta** Ball

Ball, Proc. Biol. Soc. Wash., xxiii, p. 42, 1910.
Localities: Utah, Calif.

Genus **Issus** Fabr.
Orthotype *coleoptratus* (Geof.)

Fabricius, Syst. Rhyng., p. 99, 1803.
Germar, Mag. d. Ent., iii, p. 201, 1818.
Duponchel, Revue Zool., ii, p. 24, 1839 (names *pectinipennis* Guer. pseudotype).
Spinola, Ann. Soc. Ent. Fr., viii, p. 343, 1839.
Amyot and Serville, Hémip., p. 518, 1843.
Walker, List Homop., ii, p. 361, 1851.
Stål, Of. Vet. Akad. Forh., xvii, p. 208, 1861.
Stål, Rio Jan. Hemip., ii, p. 67, 1862.
Stål, Hemip. Afr., iv, p. 361, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 12, 1868.
Sahlberg, Cicad., p. 394, 1871.
Fieber, Cicad. d'Eur., i, p. 77, 1875; ii, p. 244, 1876.
Mayr, Tabellen, p. 18, 1884.
Uhler, Stand. Nat. Hist., ii, p. 234, 1884.
Ashmead, Ent. Am., v, p. 5, 1889.
Melichar, Cicad. Mitt. Eur., p. 40, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 22, pl. 1, fig. 14, 1896.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 184, 1906.
Matsumura, Trans. Sapporo Nat. Hist. Soc., vi, p. 105, 1916.

2630. **Issus servillei** Spin.

Spinola, Ann. Soc. Ent. Fr., viii, p. 351, 1839.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 192, 1906.
Locality: N. Am."

Genus **Thionia** Stål
Logotype *longipennis* (Spin.)

Stål, Berl. Ent. Zeit., iii, p. 321, 1859.
Stål, Of. Vet. Akad. Forh., xviii, p. 209, 1861.
Stål, Hemip. Afr., iv, p. 207, 1866.
Stål, Of. Vet. Akad. Forh., xxvii, p. 760, note, 1870.
Ashmead, Ent. Am., v, p. 5, 1889.
Fowler, Biol. Centr. Am., Homop., i, pp. 114, 122, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 268, 1906.

2631. **Thionia simplex** (Germ.)

Germar, Thon's Ent. Archiv., ii, p. 51, 1830, *Issus*.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 273, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 494, 1908.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 192, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: N. J., Md., D. C., N. C., Fla., Ohio, Ky., Mo., Texas.

2632. **Thionia elliptica** (Germ.)

Germar, Thon's Ent. Archiv., ii, p. 51, 1830, *Issus.*
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 277, 1906.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
patulifrons Walker, Ins. Saund., Homop., p. 45, 1858, *Issus.*
Localities: N. J., D. C., N. C., Ga., Ky., Mo.

2633. **Thionia transversalis** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 281, 1906.
Locality: "N. Am."

2634. **Thionia bullata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 240, 1830; Compl. Writ., ii, p. 375, *Flata.*
Walker, List Homop., ii, p. 470, 1851, *Poeciloptera.*
Van Duzee, Psyche, v, p. 389, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 282, 1906.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 494, 1908.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
conspersus Walker, List Homop., ii, p. 365, 1851, *Issus.*
Uhler, Stand. Nat. Hist., ii, p. 234, 1894, *Tylana.*
Localities: Ont., N. Y., N. J., Pa., D. C., N. C., Ga., Fla., Ohio.

2635. **Thionia ocellata** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 283, 1906.
Locality: "N. Am."

2636. **Thionia producta** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 494, 1908.
Locality: Colo.

Genus **Picumna** Stål
Logotype *varians* Stål

Stål, Stet. Ent. Zeit., xxv, p. 52, 1864.
Stål, Hemip. Afr., iv, p. 207, 1866.
Stål, Of. Vet. Akad. Forh., xxvii, p. 760, 1870.
Fowler, Biol. Centr. Am., Homop., i, pp. 114, 127, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 289, 1906.

2637. **Picumna ovatipennis** (Walk.)

Walker, List Homop., Suppl., p. 88, 1858, *Issus.*
Fowler, Biol. Centr. Am., Homop., i, p. 128, pl. 12, fig. 29, 1904.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 290, 1906.

Genus **Issomorphus** Melich.
Logotype *maculatus* Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 292, 1906.

2638. **Issomorphus maculatus** Melich.

Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, ii, pt. 4, p. 293, 1906.
Locality: N. Mex.

Subfamily ACANALONIINAE (A. & S.)

Amyot and Serville, Hémip., pp. lviii, 520, 1843, *Acanonides.*
Stål, Rio Jan. Hemip., ii, p. 68, 1862, *Acanalonidae.*
Stål, Hemip. Afr., iv, p. 131, 1866, *Acanoniida.*
Stål, Hemip. Fabr., ii, p. 106, 1869, *Acanoniida.*
Berg, Hemip. Argent., p. 228, 1879, *Acanoniina.*
Ashmead, Ent. Am., v, p. 2, 1889, *Acanoniinae.*
Fowler, Biol. Centr. Am., Homop., i, p. 45, 1900.
Melichar, Ann. k. k. Natl. Hofm. Wien, xvi, pp. 179, 181, 1901, *Acanaloniidae.*
Swezey, Ohio Dept. Agr., Div. Nurs. Orch. Insp., Bul. 3, p. 9, 1904.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, pp. 468, 495, 1908, *Acanalonida.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 192, 1909. [pp. 9, 94, 1907.
Amphiscepinae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906, iii,

Genus **Acanalonia** Spin.
Haplotype *servillei* Spin.

Spinola, Ann. Soc. Ent. Fr., viii, p. 447, 1839.
Stål, Rio Jan. Hemip., ii, p. 68, 1862.
Fowler, Biol. Centr. Am., Homop., i, p. 46, 1900.
Melichar, Ann. k. k. Natl. Hofm. Wien, xvi, p. 183, 1901.
Distant, Ann. Mag. Nat. Hist., ser. 8, v, p. 297, 1910.
‡*Acanonia* Amyot and Serville, Hémip., p. 520, 1843.
Stål, Of. Ver. Akad. Forh., xix, p. 491, 1862.
Stål, Hemip. Fabr., ii, p. 106, 1869.
Berg, Hemip. Argent., p. 228, 1879.
Ashmead, Ent. Am., v, p. 2, 1889.
†*Amphiscepa* Uhler, Stand. Nat. Hist., ii, p. 235, 1884.
Melichar, Ann. k. k. Natl. Hofm. Wien, xvi, p. 182, 1901.
Melichar, Abh. k. k. Zool.-Bot. Ges. Wien, iii, pt. 4, p. 215, 1906.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 94, 1907; iv, p. 65, 1907.

[The true *Amphiscepa* Germ. is an Issid genus and has for type *nodipennis* Germ., and of which *Issocepa* Melich. is a synonym. There has never been a genus *Amphiscepa* Say as stated by Melichar.]

2639. **Acanalonia bivittata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 335, 1825; Compl. Writ., ii, p. 255, *Flata.*
Walker, List Homop., ii, p. 469, 1851, *Pocciloptera.*
Stål, Berl. Ent. Zeit., vi, p. 311, 1862, *Acanonia.*
Uhler, Stand. Nat. Hist., ii, p. 235, 1884, *Amphiscepa.*
Van Duzee, Psyche, v, p. 389, 1890, *Amphiscepa.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892, *Amphiscepa.*
Townsend, Can. Ent., xxvi, p. 312, 1894, *Acanonia.*
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 183, 1901, *Amphiscepa.*
Swezey, Ohio Nat., iii, p. 354, 1903 (life history).
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907, *Amphiscepa.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 65, 1907, *Amphiscepa.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 192, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., xii, p. 19, 1913, *Amphiscepa.*

Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915, *Amphiscepa.*
malina Germar, Thon's Ent. Archiv., ii, p. 52, 1830, *Amphiscepa.*
nana Walker, List Homop., ii, p. 466, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, pp. 489, 491, 1862, *Acanonia.*

a. var. **rubescens** (Melich.)
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 183, 1901, *Amphiscepa.*
Localities: Ont., N. Y., N. J., Pa., D. C., Va., N. C., Ga., Fla., Ohio, Wisc., Minn., Ia., Kans., Mo., Ark., Texas, Ariz. (Mexico.)

2640. **Acanalonia pumila** (Van D.)
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 495, 1908, *Amphiscepa.*
Van Duzee, Can. Ent., xli, p. 127, 1909, *Amphiscepa.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 192, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Localities: Fla. (Bermudas.)

2641. **Acanalonia immaculata** (Kirk.)
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 65, 1907; xii, p. 19, 1913, [*Amphiscepa.*
Localities: Ariz. (Mexico.)

2642. **Acanalonia latifrons** (Walk.)
Walker, List Homop., ii, p. 457, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 491, 1862, *Acanonia.*
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 186, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 192, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: N. C., Ga., Fla., La.

2643. **Acanalonia servillei** Spin.
Spinola, Ann. Soc. Ent. Fr., viii, p. 448, pl. 16, fig. 2, 1839.
Amyot and Serville, Hémip., p. 520, 1843, *Acanonia.*
Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 179, 1857, *Acanonia.*
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 73, *Acanonia.*
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 186, 1901.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 38, 1907.
lata Walker, List Homop., ii, p. 462, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 491, 1862, *Acanonia.*
robusta Walker, List Homop., ii, p. 449, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 491, 1862, *Acanonia.*
quadrata Walker, List Homop., ii, p. 460, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 491, 1862, *Acanonia.*
Localities: Pa., Fla.

2644. **Acanalonia concinnula** Fowl.
Fowler, Biol. Centr. Am., Homop., i, p. 49, pl. 7, fig. 9, 1900.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 187, 1901.
Localities: Texas. (Mexico.)

2645. **Acanalonia mollicula** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 42, 1914.
Locality: Calif.

2646. **Acanalonia clypeata** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 496, 1908.

Localities: Utah, Nevada.

2647. **Acanalonia conica** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 238, 1830; Compl. Writ., ii, p. 373, *Flata.*
Murtfeldt, U. S. Dept. Agr., Div. Ent., Bul. 13, p. 61, 1887, *Flata* (larvae).
Van Duzee, Psyche, v, p. 389, 1890, *Flata.*
Ashmead *in* Smith, Cat. Ins. N. J., edn. 1, p. 438, 1890, *Flata.*
Forbes and Hart, Ill. Agr. Exp. Sta., Bul. 60, p. 431, 1900, *Chlorochara.*
Howard, Insect Book, p. 236, 1901, *Chlorochara.*
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 189, 1901.
Osborn, Ohio Nat., iv, p. 100, 1904, *Chlorochara.*
Swezey, Ohio Dept. Agr., Div. Nurs. Orch. Inspect., Bul. 3, p. 7, 1904, *Chloro-*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915. [*chara.*
?panimae Fowler, Biol. Centr. Am., Homop., i, p. 47, pl. 7, fig. 2, 1900.

Localities: Va., N. C., Miss., La., Ohio, Ky., Ind., Ill., Mo., Ark., Texas.

Subfamily FLATINAE (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, pp. 204, 387, 1839, *Flatoides.*
Amyot and Serville, Hémip., pp. lviii, 521, 1843, *Flatides.*
Walker, List Homop., ii, p. 403, 1851, *Flatoides.*
Stål, Rio Jan. Hemip., ii, p. 68, 1862, *Flatidae.*
Stål, Hemip. Afr., iv, pp. 131, 235, 1866, *Flatida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 771, 1870, *Flatina.*
Berg, Hemip. Argent., p. 229, 1879, *Flatina.*
Uhler, Stand. Nat. Hist., ii, p. 236, 1884, *Flatida.*
Ashmead, Ent. Am., v, p. 2, 1889.
Fowler, Biol. Centr. Am., Homop., i, pp. 45, 50, 1900.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, p. 194, 1901, *Flatidae.*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 397, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 37, 1907.
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 467, 1908, *Flatida.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 193, 1909.
Horvath, Ann. Mus. Natl. Hung., ix, p. 33, 1911, *Flatidae.*
Poekillopterinae Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; [iii, pp. 9, 93, 1907.

TRIBE *FLATINI* (Melich.)

Melichar, Ann. k. k. Natl. Hofms. Wien, xvi, pp. 179, 194, 1901, *Flatinae.* [(Gruppe.)
Poekillopterini Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 9, 93, 1907.

Genus **Carthaea** Stål

Haplotype *caudata* Stål

Stål, Rio Jan. Hemip., ii, pp. 68, 69, 1862.
Stål, Hemip. Afr., iv, p. 236, 1866. [Fabr. pseudotype).
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 30, 1902 (names *emortua*

2648. **Carthaea ricanoides** (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, p. 442, 1839, *Poeciloptera.*
Fowler, Biol. Centr. Am., Homop., i, p. 69, 1900, *Bladina.*

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 33, 1902.
Localities: Calif.(?). (Mexico.)

Genus **Ormenis** Stål
Logotype *rufo-terminata* Stål = *perfecta* (Walk.)

Stål, Rio Jan. Hemip., ii, pp. 68, 69, 1862.
Stål, Hemip. Afr., iv, pp. 236, 243, 1866.
Uhler, Stand. Nat. Hist., ii, p. 236, 1884.
Ashmead, Ent. Am., v, p. 3, 1889.
Fowler, Biol. Centr. Am., Homop., i, pp. 50, 55, 1900.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 64, 1902.
Distant, Ann. Mag. Nat. Hist., ser. 8, v, p. 313, 1910 (names *perfecta* Walk.
Jacobi, Deut. Ent. Zeit. for 1915, p. 173. [type).

2649. **Ormenis pruinosa** (Say)

Say, Jl. Acad. Nat. Sci. Phila., vi, p. 237, 1830; Compl. Writ., ii, p. 373, *Flata.*
Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Poeciloptera.*
Walker, List Homop., ii, p. 469, 1851, *Poeciloptera.*
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 436, 1856, *Poeciloptera.*
Riley, 5th Rept. Nox. Ins. Mo., p. 122, 1873, *Poeciloptera* (egg laying).
Saunders, Ins. Inj. to Fruits, p. 357, 1883, *Poeciloptera.*
Cooke, Inj. Ins. Orch. and Vineyard, p. 225, 1883, *Poeciloptera.*
Uhler, Stand. Nat. Hist., ii, p. 237, 1884. [(larvae).
Murtfeldt, U. S. Dept. Agr., Div. Ent., Bul. 13, p. 61, 1887, *Poeciloptera*
Packard, 5th Rept. U. S. Ent. Comm., pp. 281, 425, 1890, *Poeciloptera.*
Van Duzee, Psyche, v, p. 389, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Murtfeldt, U. S. Dept. Agr., Div. Ent., Bul. 32, p. 38, 1894.
Townsend, Can. Ent., xxvi, p. 316, 1894.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 71, pl. 5, fig. 7, 1902.
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 193, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
?farinosa Walker, Ins. Saund., Homop., p. 55, 1858, *Poeciloptera.*
Localities: Ont., Mass., N. Y., N. J., Pa., Md., N. C., Fla., Miss., Ohio, Mich., Minn., Ia., Neb., Kans., Mo., Ark., Texas, Ariz., Calif. (West Indies, Mexico.)

2650. **Ormenis conformis** Melich.

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 73, 1902.
Locality: N. Mex.

2651. **Ormenis infuscata** Stål

Stål, Stet. Ent. Zeit., xxv, p. 55, 1864.
Fowler, Biol. Centr. Am., Homop., i, p. 56, 1900.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 77, 1902.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 43, 1914.
Localities: Ariz., Calif. (Mexico, Centr. Am.)

2652. **Ormenis saucia** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 498, 1912.
Localities: Utah, Nevada.

2653. **Ormenis venusta** Melich.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 84, 1902.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
Localities: N. C., Ga., Texas.

2654. **Ormenis pauperata** Melich.
Melichar, Ann. k. k. Natl. Hofms., Wien, xvii, p. 85, 1902.
Locality: Texas.

2655. **?Ormenis conformata** Melich.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 87, 1902.
Locality: "America."

2656. **Ormenis septentrionalis** (Spin.)
Spinola, Ann. Soc. Ent. Fr., viii, p. 436, 1839, *Poeciloptera.*
Uhler, Stand. Nat. Hist., ii, p. 237, 1884.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 88, 1902.
Swezey, Ohio Nat., iii, p. 355, 1903 (life history).
Wirtner, Ann. Carn. Mus., iii, p. 213, 1904, *Poeciloptera.*
Smith, Cat. Ins. N. J., edn. 3, p. 96, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
Localities: N. Y., N. J., Pa., Md., D. C., N. C., Ga., Ohio, Kans.

2657. **Ormenis barberi** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 498, 1912.
Locality: Ariz.

2658. **Ormenis chloris** Melich.
Melichar, Ann. k. k. Natl. Hofms. Wien, xv, ii, p. 89, pl. 4, fig. 18, 1902.
Locality: N. Am.

2659. **Ormenis relicta** (Fabr.)
Fabricius, Syst. Rhyng., p. 52, 1803, *Flata.*
Stål, Hemip. Fabr., ii, p. 111, 1869.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 92, 1902.
Locality: "N. Am." (Fabr. and Stål, or S. Am., Melich).

2660. **Ormenis contaminata** Uhl.
Uhler, Proc. Zool. Soc. Lond. for 1895, p. 71.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 93, pl. 5, fig. 9, 1902.
Localities: Texas, Ariz., Calif. (West Indies, Mexico.)

2661. **Ormenis proxima** (Walk.)
Walker, List Homop., ii, p. 459, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 490, 1862.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 100, 1902.
Locality: Fla.

2662. **Ormenis rufifascia** (Walk.)
Walker, List Homop., ii, p. 458, 1851, *Poeciloptera.*
Stål, Of. Vet. Akad. Forh., xix, p. 490, 1862.

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 101, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 193, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Locality: Fla.

Genus **Mistharnophantia** Kirk.
Haplotype *sonorana* Kirk.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 65, 1907.

2663. **Mistharnophantia sonorana** Kirk.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 66, 1907.
Locality: Ariz.

Genus **Cyarda** Walk.
Haplotype *difformis* Walk.

Walker, List Homop., Suppl., p. 121, 1858.
Stål, Hemip. Afr., iv, p. 237, 1866.
Stål, Berl. Ent. Zeit., x, p. 394, 1867 (names *acuminipennis* Spin. pseudotype).
Uhler, Stand. Nat. Hist., ii, p. 238, 1884.
Ashmead, Ent. Am., v, p. 3, 1889.
Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 133, 1902. [Stål of 1866).
Gelastophantia Kirkaldy, Entomol., xxxvii, p. 280, 1904 (n.n. for *Cyarda*

2664. **Cyarda melichari** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 40, 1907 (n.n. for †*punctata*
Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 496, 1908. [Melich.).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 193, 1908.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 15, 1915.
†*punctata* Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 135, pl. 7, fig. 17,
Localities: N. C., Fla. (West Indies.) [1902 (not of Walker).

Genus **Rhynchopteryx** Van D.
Orthotype *caudata* Van D.

Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 43, 1914.

2665. **Rhynchopteryx caudata** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 43, 1914.
Locality: Calif.

TRIBE *FLATOIDINI* (Melich.)

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, pp. 179, 199, 1901, *Flatoidinae.*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 449, 1906, *Flatoidesaria.* (Division.)
Phalaenomorphini Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, pp. 9, 93,
[1907.

Genus **Flatoides** Guer.
Haplotype *tortrix* Guer.

Guerin, Icon. Règne Animal, Ins., p. 362, 1843 (antedates Am. & Serv.).
Stål, Of. Vet. Akad. Forh., xix, p. 489, 1862.
Stål, Hemip. Afr., iv, pp. 237, 248, 1866.
Fowler, Biol. Centr. Am., Homop., i, p. 60, 1900.
Distant, Fauna Brit. Ind., Rhyn., iii, p. 459, 1906.

Phalaenomorpha Amyot and Serville, Hémip., p. 525, 1843.
†*Elidiptera* Walker, List Homop., ii, p. 328, 1851.
†*Cyarda* Stål, Of. Vet. Akad. Forh., xix, p. 490, 1862.

2666. **Flatoides punctatus** (Walk.)

Walker, List Hemip., ii, p. 332, 1851, *Elidiptera.*
Uhler, Stand. Nat. Hist., ii, p. 238, 1884, *Dascalia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 193, 1909.
Distant, Ann. Mag. Nat. Hist., ser. 8, v, p. 319, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Locality: Fla.

2667. **Flatoides acutus** (Uhl.)

Uhler, Proc. Ent. Soc. Wash., iv, p. 514, 1901, *Dascalia.*
†*grisea* Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 41, 1907, *Dascalia.*

2668. **Flatoides signatus** Melich.

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 219, 1902.
Locality: N. Am.

2669. **Flatoides scabrosus** Melich.

Melichar, Ann. k. k. Natl. Hofms. Wien, xvii, p. 220, pl. 6, fig. 4, 1902.
Localities: "Ga." (Brazil.)

2670. **Flatoides fuscus** Van D.

Van Duzee, Proc. Acad. Nat. Sci. Phila., lix, p. 497, 1908.
Locality: Ariz.

Subfamily DERBINAE (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, pp. 205, 377, 1839, *Derboides.*
Amyot and Serville, Hémip., pp. lvii, 512, 1843, *Derbides.*
Walker, List Homop., ii, p. 396, 1851, *Derboides.*
Stål, Hemip. Afr., iv, pp. 130, 192, 1866, *Derbida.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 750, 1870, *Derbina.*
Uhler, Stand. Nat. Hist., ii, p. 232, 1884, *Derbida.*
Ashmead, Ent. Am., v, p. 23, 1889, *Derbini.* (Tribe.)
Fowler, Biol. Centr. Am., Homop., i, p. 70, 1900, *Derbidae.*
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 177, 295, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 36, 1907.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, pp. 10, 95, 163,
Horvath, Ann. Mus. Natl. Hung., ix, p. 31, 1911, *Derbidae.* [1907, (*Derbidae*).
Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 28, 1913. (Keys.)

Genus **Cyclokara** Muir
Orthotype *girdlestoni* Muir

Muir, Haw. S. P. A., Exp. Sta. Bul., xii, pp. 32, 33, 1912.

2671. **Cyclokara vanduzei** (Ball)

Ball, Can. Ent., xxxiv, p. 260, 1902, *Patara.*
Cyclokara vanduzei Muir in litt.
Localities: N. Y., Pa., Ohio.

Genus **Lamenia** Stål
Haplotype *caliginea* Stål

Stål, Freg. Eugen. Resa, Ins., p. 277, 1859.
Stål, Hemip. Afr., iv, p. 193, 1866.
Ashmead, Ent. Am., v, p. 4, 1889.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 403, 1906; iii, pp. 164, 169, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 500, 1912 (synopsis).
Herpis Stål, Rio Jan. Hemip., ii, p. 8, 1862.
Muir, Can. Ent., xlv, p. 112, 1913.
Cedusa Fowler, Biol. Centr. Am., Homop., i, p. 112, 1904.
Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 35, 1913.

2672. **Lamenia vulgaris** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 47, 1851, *Poeciloptera*.
Uhler, Stand. Nat. Hist., ii, p. 233, 1884.
Van Duzee, Can. Ent., xxi, p. 7, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 193, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Can. Ent., xli, p. 381, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 501, 1912.
Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 35, 1913.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
¶*fitchi* Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 403, 1906.
Localities: Quebec, Ont., N. Y., N. J., Pa., D. C., Va., N. C., Ga., Ohio, Ill., Ia., Kans., Texas.

2673. **Lamenia obscura** Ball

Ball, Can. Ent., xxxiv, p. 262, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 195, 1909; x, p. 502, 1912.
†*vulgaris* Van Duzee, Can. Ent., xxiii, p. 169, 1891.
Localities: Ont., Me., Mass., N. Y., N. J., N. C., Fla., Kans., Colo.

2674. **Lamenia californica** Van D.

Van Duzee, Can. Ent., xxiii, p. 169, 1891.
Gillette and Baker, Hemip. Colo., p. 70, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 502, 1912.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Localities: Colo., Ariz., Calif.

2675. **Lamenia praecox** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 502, 1912.
Locality: Ariz.

2676. **Lamenia edentula** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 503, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: N. J., N. C., Ga.

2677. **Lamenia maculata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 503, 1912.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 14, 1915.
Localities: Ont., N. C.

Genus **Cenchrea** Westw.
Orthotype *dorsalis* Westw.

Westwood, Trans. Linn. Soc. Lond., xix, p. 15, 1842.
Ashmead, Ent. Am., v, p. 25, 1889.
Kirkaldy, Proc. Haw. Ent. Soc., ii, p. 80, 1909.

2678. **Cenchrea uhleri** Ball

Ball, Can. Ent., xxxiv, p. 261, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 36, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Localities: N. J., Md., D. C., Kans.

2679. **Cenchrea heidemanni** Ball

Ball, Can. Ent., xxxiv, p. 261, 1902.
Localities: D. C., Kans.

2680. **Cenchrea fulva** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 195, 1909.
Locality: Fla.

Genus **Amalopota** Van D.
Haplotype *uhleri* Van D.

Van Duzee, Can. Ent., xxi, p. 176, 1889; xli, p. 384, 1909.
Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 43, 1913.

2681. **Amalopota uhleri** Van D.

Van Duzee, Can. Ent., xxi, p. 178, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Localities: Ont., N. Y., Ill.

2682. **Amalopota fitchi** Van D.

Van Duzee, Can. Ent., xxv, p. 280, 1893.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Van Duzee, Can. Ent., xli, p. 381, 1909.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. Y., Pa., N. C., Kans.

Genus **Anotia** Kby.
Haplotype *bonnetii* Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 20, 1819.
Germar, Silb. Revue Ent., i, p. 176, 1833.
Burmeister, Handb. d. Ent., ii, p. 153, 1835.
Duponchel, Revue Zool., ii, p. 205, 1839 (names *coccinea* Guer. pseudotype).
Spinola, Ann. Soc. Ent. Fr., viii, p. 384, 1839.
Westwood, Trans. Linn. Soc. Lond., xix, p. 12, 1842.
Blanchard, Hist. des Ins., Hémip., p. 175, 1840.

Fowler, Biol. Centr. Am., Homop., i, p. 77, 1904.
Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 43, 1913.

2683. **Anotia bonnetii** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 21, pl. 1, fig. 15, 1819.
Burmeister, Handb. d. Ent., ii, p. 153, 1835.
Spinola, Ann. Soc. Ent. Fr., viii, p. 385, 1839.
Blanchard, Hist. des Ins., Hémip., p. 176, 1840.
Fitch, Homop. N. Y. St. Cab., p. 47, 1851.
Van Duzee, Can. Ent., xli, p. 381, 1909.
Localities: Ont., N. Y., Ga., Kans.

2684. **Anotia westwoodi** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 394, 1856.
Uhler, Stand. Nat. Hist., ii, p. 232, 1884.
Van Duzee, Psyche, v, p. 388, 1890.
Localities: N. Y., Ohio, Kans.

2685. **Anotia burnetii** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 395, 1856.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. Y., N. C., Ill.

2686. **Anotia robertsoni** Fitch

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 395, 1856.
Locality: Ark.

2687. **Anotia sayi** Ball

Ball, Can. Ent., xxxiv, p. 259, 1902.
Locality: N. Y.

2688. **Anotia kirkaldyi** Ball

Ball, Can. Ent., xxxiv, p. 259, 1902 (spelled *Kirkaldayi*).
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 64, 1907.
Localities: Pa., Ia., Kans.

Genus **Otiocerus** Kby.
Logotype *stollii* Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 13, 1819.
Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 216, 1829.
Germar, Silb. Revue Ent., i, p. 176, 1833.
Burmeister, Hand. d. Ent., ii, p. 152, 1835.
Duponchel, Revue Zool., ii, p. 205, 1839 (names *stollii* type).
Spinola, Ann. Soc. Ent. Fr., viii, p. 380, 1839.
Blanchard, Hist. des Ins., Hémip., p. 176, 1840.
Westwood, Trans. Linn. Soc. Lond., xix, p. 12, 1842.
Amyot and Serville, Hémip., p. 513, 1843.
Stål, Hemip. Afr., iv, p. 192, 1866.
Ashmead, Ent. Am., v, p. 24, 1889, *Otiocera*.
Van Duzee, Can. Ent., xxi, p. 158, 1889.
Fowler, Biol. Centr. Am., Homop., i, p. 74, 1900.
Kirkaldy, Entomol., xxxiv, p. 219, 1901 (cites *stollii* as type).
Kirkaldy, Entomol., xl, p. 255, 1907 (names *coqueberti* pseudotype).

Muir, Haw. S. P. A., Exp. Sta. Bul., xii, p. 43, 1913.
Van Duzee, Can. Ent., xlvi, p. 387, 1914. [*stolli* Kby.)
Cobax Germar, Mag. d. Ent., iv, p. 1, 1821 (haplotype *winthemi* Germ. =
‖*Hynnis* Burmeister, Handb. d. Ent., ii, p. 153, 1835 (haplotype *rosea* Burm.
Blanchard, Hist. des Ins., Hémip., p. 175, 1840. [= *degeeri* Kby.).
†*Amphiscepa* Provancher, Pet. Faune Ent. Can., iii, p. 217, 1889.
Apache, Kirkaldy, Entomol., xxxiv, p. 6, 1901 (n.n. for *Hynnis* Burm.).

2689. **Otiocerus degeerii** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 16, 1819.
Fitch, Homop. N. Y. St. Cab., p. 46, 1851.
Uhler, Stand. Nat. Hist., ii, p. 232, 1884.
Van Duzee, Can. Ent., xxi, pp. 7, 159, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 195, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
rosea Burmeister, Handb. d. Ent., ii, p. 154, 1835, *Hynnis.*
Blanchard, Hist. des Ins., Hémip., p. 175, 1840, *Hynnis.*
†*coquebertii* Provancher, Pet. Faune Ent. Can., iii, p. 217, 1889, *Amphiscepa.*
Localities: Ont., N. Y., N. J., Pa., Md., N. C., Ga., Fla., Ia., Kans., Mo., Wash.

2690. **Otiocerus stollii** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 16, 1819.
Burmeister, Handb. d. Ent., ii, p. 153, 1835.
Signoret, Ann. Soc. Ent. Fr., viii, p. 383, 1839.
Blanchard, Hist. des Ins., Hemip., p. 176, 1840.
Walker, List Homop., ii, p. 401, 1851.
Van Duzee, Can. Ent., xxi, p. 159, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
winthemi Germar, Mag. d. Ent., iv, pp. 5, 446, 1821, *Cobax.*
Localities: N. Y., Pa., Ga., Ohio, Ia.

2691. **Otiocerus abbotii** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 17, 1819.
Fitch, Homop. N. Y. St. Cab., p. 46, 1851.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Localities: N. Y., Ga., Fla.

2692. **Otiocerus francilloni** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 17, 1819.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Localities: N. J., Ga.

2693. **Otiocerus coquebertii** Kby.

Kirby, Trans. Linn. Soc. Lond., xiii, p. 18, pl. 1, fig. 14, 1819.
Westwood, Trans. Linn. Soc. Lond., xix, p. 12, pl. 2, fig. 5, 1842.
Fitch, Homop. N. Y. St. Cab., p. 46, 1851.

Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 393, 1856.
Uhler, Stand. Nat. Hist., ii, p. 232, 1884.
Van Duzee, Can. Ent., xxi, pp. 7, 159, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Lugger, 6th Rept. Minn. St. Ent., p. 117, 1900.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Van Duzee, Can. Ent., xxxviii, p. 408, 1906.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: Ont., N. H., N. Y., Pa., N. C., Ga., Ill., Minn., Texas.

2694. **Otiocerus reaumurii** Kby.
Kirby, Trans. Linn. Soc. Lond., xiii, p. 18, 1819.
Locality: Ga.

2695. **Otiocerus signoretii** Fitch
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 394, 1856.
Van Duzee, Can. Ent., xxi, p. 176, 1889.
Van Duzee, Psyche, v, p. 388, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Localities: N. Y., Ia., Mo., Ark., Texas.

2696. **Otiocerus wolfii** Kby.
Kirby, Trans. Linn. Soc. Lond., xiii, p. 19, 1819.
Fitch, Homop. N. Y. St. Cab., p. 46, 1851.
Van Duzee, Can. Ent., xxi, p. 176, 1889.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894.
Wirtner, Ann. Carn. Mus., iii, p. 214, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Localities: N. Y., Pa., Ga., Ohio, Ia.

2697. **Otiocerus amyotii** Fitch
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 394, 1856.
Van Duzee, Psyche, v, p. 388, 1890.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
†*stollii* Amyot and Serville, Hémip., p. 514, 1843.
Localities: N. Y., Pa., Ga., Ohio, Ia.

2698. **Otiocerus kirbyii** Fitch
Fitch, Homop. N. Y. St. Cab., p. 46, 1851.
Van Duzee, Psyche, v, p. 388, 1890.
Locality: N. Y.

2699. **Otiocerus schellenbergii** Kby.
Kirby, Trans. Linn. Soc. Lond., xiii, p. 18, 1819.
Localities: N. Y., Ga.

Subfamily **DELPHACINAE** (Spin.)

Spinola, Ann. Soc. Ent. Fr., viii, p. 329, 1839, *Delphacoides*.
Amyot and Serville, Hémip., pp. lvii, 510, 1843, *Delphacides*.
Stål, Hemip. Afr., iv, pp. 131, 175, 1866, *Delphacida*.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 517, 1866, *Delphacini*.

Kirschbaum, Cicad. v. Wiesbd., p. 10, 1868, *Delphacidae.*
Stål, Of. Vet. Akad. Forh., xxvii, p. 747, 1870, *Delphacina.*
Fieber, Cicad. d'Eur., i, p. 57, 1875, *Delphacini.*
Uhler, Stand. Nat. Hist., ii, p. 240, 1884, *Delphacida.*
Ashmead, Ent. Am., v, p. 2, 1889.
Melichar, Cicad. Mitt. Eur., p. 18, 1896, *Delphacini.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 225, 1897, *Delphacidae* (monograph).
Fowler, Biol. Centr. Am., Homop., i, p. 130, 1905, *Delphacidae.*
Distant, Fauna Brit. Ind., Rhyn., iii, pp. 178, 465, 1906.
Horvath, Ann. Mus. Natl. Hung., ix, p. 30, 1911, *Delphacidae.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 557, 1914, *Delphacidae* (monograph).
Van Duzee, Psyche, xxi, p. 163, 1914 (review of Crawford paper).
Muir, Can. Ent., xlvii, pp. 208, 267, 296, 317, 1915 (synopsis).
Asiracinae Kirkaldy, Jl. Bombay Nat. Hist. Soc., xiv, p. 52, 1902.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 296, 1906; iii, pp. 10, 95, [123, 1907, *Asiracidae.*

Genus **Copicerus** Swartz
Haplotype *irroratus* Swartz

Swartz, Kongl. Vet. Nya Handl., xxiii, p. 180, 1802.
Stål, Of. Vet. Akad. Forh., xiv, p. 53, 1857.
Stål, Ann. Soc. Ent. Fr., ser. 3, v, p. 337, 1858.
Stål, Hemip. Afr., iv, p. 175, 1866.
Ashmead, Ent. Am., v, p. 25, 1889.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 228, 230, 1897.
Fowler, Biol. Centr. Am., Homop., i, p. 130, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 564, 1914.
Holotus Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 180, 1857.
Jerala Walker, List Homop., Suppl., p. 85, 1858.

2700. **Copicerus irroratus** Swartz

Swartz, Kong. Vet. Nya Handl., xxiii, p. 181, pl. 6, fig. 2, 1802 (spelled [*irocatus*).
Stål, Of. Vet. Akad. Forh., xiv, p. 53, 1857.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 230, 1897.
Fowler, Biol. Centr. Am., Homop., i, p. 130, pl. 13, figs. 1, 2, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 43, 1907.
Crawford, Proc. U. S. Natl., xlvi, p. 564, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
thoracicus Guerin *in* La Sagra, Hist. de Cuba, Ins., p. 180, pl. 13, fig. 17, [1857, *Holotus.*
singula Walker, List Homop., Suppl., p. 85, 1858, *Jerala.*
Stål, Of. Vet. Akad. Forh., xix, p. 488, 1858, *Jerala.*
Localities: Fla. (West Indies.)

Genus **Stenocranus** Fieb.
Logotype *lineola* (Germ.) = *minutus* (Fabr.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 519, 1866.
Fieber, Cicad. d'Eur., i, p. 83, 1875; ii, pl. 7, 1876; iii, p. 10, 1878.
Mayr, Tabellen, p. 19, 1884.
Ashmead, Ent. Am., v, p. 27, 1889.
Melichar, Cicad. Mitt. Eur., p. 56, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 230, 1897.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 126, 1907.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 587, 1914.
Muir, Can. Ent., xlvii, p. 299, 1915.
§*Stenocarenus* Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, pl. 8, fig. 3, 1866.
Sahlberg, Cicad., p. 413, 1871 (part).

2701. **Stenocranus dorsalis** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 46, 1851, *Delphax.*
Walker, List Homop., iv, p. 1136, 1852, *Delphax.*
Van Duzee, Psyche, v, p. 28, 1888, *Liburnia;* p. 390, 1890.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894.
Gillette and Baker, Hemip. Colo., p. 69, 1895.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 231, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 196, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Van Duzee, Can. Ent., xliv, p. 325, 1912.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 588, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
unipunctata Provancher, Nat. Can., iv, p. 319, 1872, *Delphax.*
Provancher, Pet. Faune Ent. Can., iii, p. 224, 1889, *Delphax.*

a. var. **vittatus** (Stål)

Stål, Berl. Ent. Zeit., vi, p. 315, 1862, *Delphax.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 592, 1914.
lautus Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 231, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
Van Duzee, Check List Hemip., p. 83, 1916.
Localities: Quebec, Ont., N. H., N. J., Pa., D. C., Va., N. C., S. C., Fla., Ohio, Ill., Ia., Neb., Colo.

2702. **Stenocranus similis** Craw.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 590, 1914.
Locality: Ala.

2703. **Stenocranus felti** Van D.

Van Duzee, Trans. Am. Ent. Soc. xxxvi, p. 88, 1910.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 591, 1914.
Localities: N. H., N. Y.

2704. **Stenocranus palaetus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 232, 1897; ix, p. 196, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 591, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Locality: Fla.

2705. **Stenocranus saccharivorus** (Westw.)

Westwood, Mag. Nat. Hist., vi, p. 413, 1833, *Delphax.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 232, 1897.

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 409, 1906; iii, p. 139, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 43, 1907; ix, p. 196, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 589, 1914.
Van Duzee, Psyche, xxi, p. 165, 1914.
Localities: Fla. (West Indies, Hawaiian Isds.)

Genus **Kelisia** Fieb.
Haplotype *guttula* (Germ.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 519, 1866.
Sahlberg, Cicad., p. 416, 1871.
Fieber, Cicad. d'Eur., i, p. 83, 1875; ii, pl. 7, 1876; iii, p. 13, 1878.
Mayr, Tabellen, p. 18, 1884.
Ashmead, Ent. Am., v, p. 27, 1889.
Melichar, Cicad. Mitt. Eur., pp. 50, 58, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 229, 232, 1897.
Muir, Can. Ent., xlvii, p. 299, 1915.

2706. **Kelisia axialis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 232, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Osborn, Ohio Nat., iv, p. 100, 1904.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 613, 1914, *Megamelus*.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
Localities: Ont., N. Y., Pa., Md., N. C., Ohio, Ia.

2707. **Kelisia crocea** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 233, 1897.
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 233, 1897, *Stenocranus*.
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 591, 1914.
Van Duzee, Psyche, xxi, p. 165, 1914.
Localities: Mass., Ia., Kans.

2708. **Kelisia salina** Ball

Ball, Can. Ent., xxxiv, p. 264, 1902.
Locality: Colo.

2709. **Kelisia parvula** Ball

Ball, Can. Ent., xxxiv, p. 264, 1902.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 631, 1914.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Localities: Fla., Ia., Kans.

Genus **Megamelanus** Ball
Orthotype *bicolor* Ball

Ball, Can. Ent., xxxiv, p. 265, 1902.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 592, 1914.

2710. **Megamelanus bicolor** Ball

Ball, Can. Ent., xxxiv, p. 265, 1902.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 592, 1914.
Localities: Colo., Calif.

2711. **Megamelanus frontalis** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 593, 1914.
Locality: Colo.

2712. **Megamelanus elongatus** Ball
Ball, Proc. Biol. Soc. Wash., xviii, p. 118, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 196, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 593, 1914, *Megamelus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Localities: Fla., La.

2713. **Megamelanus spartini** Osb.
Osborn, Ohio Nat., v, p. 375, 1905
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 197, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 593, 1914, *Megamelus.*
Barber, Bul. Am. Mus. Natl. Mus., xxxiii, p. 528, 1914.
Localities: N. Y., Fla.

2714. **Megamelanus rufivittatus** Ball
Ball, Proc. Biol. Soc. Wash., xxviii, p. 119, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 593, 1914.
Locality: Ga.

Genus **Prokelisia** Osb.
Haplotype *setigera* Osb.

Osborn, Ohio Nat., v, p. 373, 1905.
Muir, Can. Ent., xlvii, p. 300, 1915.

2715. **Prokelisia setigera** Osb.
Osborn, Ohio Nat., v, p. 373, 1905.
Locality: La.

2716. **Prokelisia marginata** (Van D.)
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 234, 1897, *Megamelus.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 197, 1909, *Megamelus.*
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910, *Megamelus.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 609, 1914, *Megamelus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914, *Megamelus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914, *Megamelus.*
Van Duzee, Check List Hemip., p. 83, 1916.
Localities: Mass., N. Y., N. J., Fla., Calif.

Genus **Megamelus** Fieb.
Haplotype *notulus* (Germ.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 519, 1866.
Sahlberg, Cicad., pp. 74, 411, 1871.
Fieber, Cicad. d'Eur., i, p. 82, 1875; ii, pl. 7, 1876; iii, p. 7, 1878.
Mayr, Tabellen, p. 18, 1884.
Ashmead, Ent. Am., v, p. 26, 1889.
Melichar, Cicad. Mitt. Eur., pp. 49, 55, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 229, 233, 1897.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 127, 1907.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 602, 1914 (in part).

Van Duzee, Psyche, xxi, p. 165, 1914.
Muir, Can. Ent., xlvii, p. 301, 1915.

2717. **Megamelus notulus** (Germ.)

Germar, Thon's Ent. Archiv., ii, p. 57, 1830, *Delphax.*
Stål, Of. Vet. Akad. Forh., xi, p. 192, 1854, *Delphax.*
Walker, List Homop., Suppl., p. 323, 1858, *Delphax.*
Flor, Rhyn. Livl., ii, p. 45, 1861, *Delphax.*
Marshall, Ent. Mo. Mag., i, p. 266, 1865.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 519, pl. 8, fig. 2, 1866.
Sahlberg, Cicad., p. 412, 1871.
Scott, Ent. Mo. Mag., vii, p. 25, 1871, *Liburnia.*
Fieber, Cicad. d'Eur., iii, p. 9, 1878.
Melichar, Cicad. Mitt. Eur., p. 55, pl. 4, figs. 1–8, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 38, pl. 4, figs. 3, 4, 1896, *Liburnia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 233, 1897.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 609, 1914.

truncatipennis Boheman, Of. Vet. Akad. Forh., iv, p. 266, 1847, *Delphax.*
Boheman, Kongl. Vet. Akad. Handl. for 1847, p. 46, 1847, *Delphax.*
Stål, Of. Vet. Akad. Forh., xi, p. 190, 1854, *Delphax.*
Kirschbaum, Cicad. v. Wiesbd., p. 20, 1868, *Delphax.*

†*lineola* Stål, Of. Vet. Akad. Forh., xi, p. 190, 1854, *Delphax.*

†*albosignatus* Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894; p. 259, [1897, *Achorotile* (young).

a. var. **flavus** Crawf.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 609, 1914.
Localities: Ont., N. H., Mass., N. Y., Colo. (Europe.)

2718. **Megamelus piceus** Van D.

Van Duzee, Mich. Agr. Exp. Sta., Bul. 102, p. 8, pl. 1, fig. 5, 1894.
Van Duzee, Exp. Sta. Record, v, p. 792, 1894.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 190, 234, 1897.
Localities: N. Y., Mich.

2719. **Megamelus constrictus** Crawf.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 610, 1914.

a. var. **minutus** Crawf.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 610, 1914.
Localities: Colo., Calif.

2720. **Megamelus angulatus** Osb.

Osborn, Ohio Nat., v, p. 374, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 629, 1914.
Locality: Del.

2721. **Megamelus davisi** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 235, 1897.
Locality: Mich.

Genus **Macrotomella** Van D.
Haplotype *carinata* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 44, 1907.
Van Duzee, Psyche, xxi, p. 164, 1914.
Muir, Can. Ent., xlvii, p. 298, 1915.

2722. **Macrotomella carinata** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 44, 1907; ix, p. 197, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 583, 1914, *Jassidaeus.*
Localities: Fla. (West Indies.)

Genus **Pissonotus** Van D.
Orthotype *marginatus* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 228, 236, 1897.
Muir, Can. Ent., xlvii, p. 301, 1915.

2723. **Pissonotus marginatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 236, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 198, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 596, 1914, *Dicranotropis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Localities: Quebec, Ont., N. Y., Pa., Fla., Ohio, Ia., Calif.

2724. **Pissonotus basalis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 238, 1897 (described).
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 198, 1909.
Van Duzee, Psyche, xxi, p. 165, 1914.
Localities: N. Y., Fla., Texas(?).

2725. **Pissonotus binotatus** Spnr.

Spooner, Can. Ent., xliv, p. 239, 1912.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 601, 1914, *Dicranotropis.*
Locality: Ga.

2726. **Pissonotus ater** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 237, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 198, 1909.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 600, 1914, *Dicranotropis.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 528, 1914.
Localities: N. Y., D. C., Fla., Ia.

2727. **Pissonotus divaricatus** Spnr.

Spooner, Can. Ent., xliv, p. 236, 1912.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 600, 1914, *Dicranotropis.*
Locality: N. Y.

2728. **Pissonotus pallipes** Van D.

Gillette and Baker, Hemip. Colo., p. 69, 1895 (nomen nudum).
Baker, Ent. News, viii, p. 53, 1897 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 238, 1897 (described).
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 599, 1914, *Dicranotropis.*
Localities: N. H., N. Y., Pa., Fla., Miss., Kans., Colo., Calif.

2729. **Pissonotus variegatus** Spnr.

Spooner, Can. Ent., xliv, p. 235, 1912.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 600, 1914, *Dicranotropis.*
Locality: Texas.

2730. **Pissonotus metzaria** (Crawf.)

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 611, 1914, *Megamelus.*
Locality: Wyo.

2731. **Pissonotus delicatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 237, 1897.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 44, 1907; ix, p. 198, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 596, 1914, *Dicranotropis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Localities: N. J., D. C., Fla., Miss., Colo., Calif. (Jamaica.)

2732. **Pissonotus guttatus** Spnr.

Spooner, Can. Ent., xliv, p. 233, 1912.
Crawford, Proc. U. S Natl. Mus., xlvi, p. 600, 1914, *Dicranotropis.*
Localities: Ont., N. Y., D. C.

2733. **Pissonotus dorsalis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 239, 1897 (described).
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 599, 1914, *Dicranotropis.*
Localities: N. Y., Ohio.

2734. **Pissonotus frontalis** (Crawf.)

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 597, 1914, *Dicranotropis.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Localities: Calif., Ore.

2735. **Pissonotus brunneus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 239, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 198, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 599, 1914, *Dicranotropis.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
Localities: Ont., Mass., N. Y., N. J., Pa., N. C., Fla., Ohio, Ia.

2736. **Pissonotus piceus** Spnr.

Spooner, Can. Ent., xliv, p. 238, 1912.
Locality: N. Y.

2737. **Pissonotus aphidioides** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 190, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 239, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.

Osborn, Ohio Nat., iv, p. 100, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 597, 1914, *Dicranotropis.*
Localities: Ont., N. Y., Ohio, Ia.

Genus **Peregrinus** Kirk.
Orthotype *maidis* Ashm.

Kirkaldy, Entomol., xxxvii, p. 175, 1904.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 407, 1906; iii, pp. 127, 132, 1907.
Kirkaldy, Fauna Hawai., ii, p. 577, 1910.
Muir, Can. Ent., xlvii, p. 299, 1915.

2738. **Peregrinus maidis** (Ashm.)

Ashmead, Psyche, v, p. 323, 1890, *Delphax.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 240, 1897, *Dicranotropis.*
Swezey, Ohio Dept. Agr., Div. Nurs. Orch. Inspect., Bul. 3, p. 35, 1904,
Kirkaldy, Entomol., xxxvii, p. 176, 1904. [*Dicranotropis.*
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., i, p. 407, 1906, iii, p. 132, pl. 10, fig. [14, pl. 12, figs. 7, 8, 1907.
Kirkaldy, Ann. Soc. Ent. Belg., li, pp. 127, 301, 1907.
Kirkaldy, Entomol., xl, p. 283, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 43, 1907.
Distant, Ann. Soc. Ent. Belg., li, p. 221, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 197, 1909.
Kirkaldy, Fauna Hawai., ii, p. 577, 1910.
Melichar, Notes Leyden Mus., xxxvi, p. 111, 1913.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 595, 1914, *Dicranotropis.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
Muir, Can. Ent., xlix, p. 147, 1917.
psylloides Lethierry, India Mus. Notes, iii, p. 105, 1896, *Delphax.*
Melichar, Homop. Fauna Ceyl., p. 101, pl. 2, fig. 22, 1903, *Liburnia.*
Distant, Fauna Brit. Ind., Rhyn., iii, p. 484, 1906, *Liburnia.* [*luoya.*
simplicia Distant, Fauna Brit. Ind., Rhyn., iii, p. 468, fig. 255, 1906, *Punda-*
Localities: N. C., Fla., Texas. (West Indies, Hawaiian Isds., Australia, India.)

Genus **Phyllodinus** Van D.
Haplotype *nervatus* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 240, 1897.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 583, 1914.
Muir, Can. Ent., xlvii, p. 297, 1915.

2739. **Phyllodinus nervatus** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894, *Eurysa* (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 241, 1897 (described).
Wirtner, Ann. Carn. Mus., iii, p. 215, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 584, 1914.
Localities: Quebec, Ont., N. H., N. Y., Pa., Ohio.

2740. **Phyllodinus nitens** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 198, 1909.
Van Duzee, Psyche, xxi, p. 164, 1914.
Locality: Fla.

2741. **Phyllodinus koebelei** Osb.
Osborn, Ohio Nat., iv, p. 44, 1903; iv, p. 100, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 585, 1914.
Localities: D. C., Ohio.

2742. **Phyllodinus fuscous** Osb.
Osborn, Ohio Nat., iv, p. 46, 1903; iv, p. 100, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 585, 1914.
Locality: Ohio.

2743. **Phyllodinus flabellatus** Ball
Ball, Can. Ent., xxxv, p. 232, 1903.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 584, 1914.
Localities: N. Y., N. J., Pa., D. C.

Genus **Kormus** Fieb.
Haplotype *artemisiae* Fieb.

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 520, 1866.
Fieber, Cicad. d'Eur., i, p. 87, 1875; ii, pl. 7, 1876; iii, p. 32, 1878.
Mayr, Tabellen, p. 20, 1884.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 586, 1914.
Muir, Can. Ent., xlvii, p. 298, 1915.

2744. **Kormus californicus** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 586, 1914.
Locality: Calif.

Genus **Laccocera** Van D.
Orthotype *vittipennis* Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 241, 1897 (misprinted *Laccocara* on
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 579, 1914. [p. 229).
Muir, Can. Ent., xlvii, p. 297, 1915.

2745. **Laccocera vittipennis** Van D.
Slosson, Ent. News, vi, p. 5, 1895 (*Delphacinus vittipennis* Van D. MS).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 242, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Van Duzee, Ottawa Nat., xxvi, p. 69, 1912.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 580, 1914. [*Delphacinus.*
[*vittatus* Van D. MS] Gillette and Baker, Hemip. Colo., p. 69, 1895,
Localities: Quebec, Ont., N. H., N. Y., Ia., Colo., Nev.

2746. **Laccocera zonata** Van D.
Gillette and Baker, Hemip. Colo., p. 69, 1895 (*Delphacinus zonatus* Van D. MS).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 243, 1897 (described).
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 581, 1914.
a. var. **flava** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 581, 1914.
Localities: Colo., Nev.

2747. **Laccocera bicornata** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 582, 1914.
Locality: Colo.

2748. **Laccocera obesa** Van D.

Gillette and Baker, Hemip. Colo., p. 69, 1895 (*Delphacinus obesus* Van D. MS).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 244, 1897 (described).
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 582, 1914.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 248, 1916.
Localities: Colo., Nev., Calif.

Genus **Bostaera** Ball
Orthotype *nasuta* Ball

Ball, Can. Ent., xxxiv, p. 266, 1902.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 577, 1914.
Van Duzee, Psyche, xxi, p. 164, 1914.
Muir, Can. Ent., xlvii, p. 296, 1915. [type *apacheanus* Kirk.).
Cochise Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 63, 1907 (Haplo-
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 576, 1914.

2749. **Bostaera nasuta** Ball

Ball, Can. Ent., xxxiv, p. 266, 1902.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 200, 1909.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
apacheanus Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iv, p. 64, 1907, *Cochise*.
Muir, Proc. Haw. Ent. Soc., ii, p. 239, pl. 6, fig. 3, 1913.
Localities: N. C., Fla., Colo., Ariz.

Genus **Stobaera** Stål
Haplotype *concinna* Stål

Stål, Berl. Ent. Zeit., iii, p. 327, 1859.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 244, 1897.
Muir, Proc. Haw. Ent. Soc., ii, p. 241, 1913.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 571, 1914.
Muir, Can. Ent., xlvii, p. 297, 1915.
Goniolcium Fowler, Biol. Centr. Am., Homop., i, p. 132, 1905.

2750. **Stobaera concinna** (Stål)

Stål, Of. Vet. Akad. Forh., xi, p. 246, 1854, *Delphax*.
Stål, Berl. Ent. Zeit., iii, p. 327, 1859.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 246, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Muir, Proc. Haw. Ent. Soc., ii, p. 241, 1913.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
granulosum Fowler, Biol. Centr. Am., Homop., i, p. 132, pl. 13, fig. 7, 1905,
Muir, Proc. Haw. Ent. Soc., ii, p. 242, 1913. [*Goniolcium*.
Localities: N. J., Fla., Calif. (Mexico.)

2751. **Stobaera tricarinata** (Say)

Say, Jl. Acad. Nat. Sci. Phila., iv, p. 237, 1825; Compl. Writ., ii, p. 255,
Uhler, Bul. U. S. Geol. Geog. Surv., i, p. 352, 1876, *Delphax*. [*Delphax*.
Van Duzee, Psyche, v, p. 389, 1890, *Delphax*.
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892, *Delphax*.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894, *Conomelus?*
Gillette and Baker, Hemip. Colo., p. 69, 1895, *Conomelus*.
Slosson, Ent. News, vii, p. 265, 1896.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 245, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Van Duzee, Can. Ent., xliv, p. 329, 1912.
Muir, Proc. Haw. Ent. Soc., ii, p. 241, 1913.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 572, 1914 (part).
Van Duzee, Psyche, xxi, p. 164, 1914.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
bifasciata Provancher, Pet. Faune Ent. Can., iii, p. 337, 1890, *Delphax.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 246, 1897.
Localities: Quebec, Ont., N. H., N. Y., N. J., Pa., Va., N. C., Ala., Miss., Ohio, Ky., Ill., Ia., Minn., Neb., Kans., Mo., Ark., Texas, Colo., Ariz., Calif.

2752. **Stobaera affinis** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 199, 1909.
Locality: Fla.

2753. **Stobaera pallida** Osb.
Osborn, Ohio Nat., v, p. 375, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 200, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 575, 1914.
Localities: N. Y., Md., Del., Fla.

2754. **Stobaera minuta** Osb.
Osborn, Ohio Nat., v, p. 376, 1905.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Localities: La., Calif.

2755. **Stobaera 4-pustulata** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 200, 1909.
foveatus Spooner, Can. Ent., xliv, p. 234, 1912, *Pissonotus.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 600, 1914, *Dicranotropis.*
Localities: Fla., Texas.

2756. **Stobaera nigripennis** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 576, 1914.
Locality: Calif.

2757. **Stobaera bilobata** Van D.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 44, 1914.
Locality: Calif.

Genus **Liburniella** Crawf.
Orthotype *ornata* (Stål)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 585, 1914.
Van Duzee, Psyche, xxi, p. 165, 1914.

2758. **Liburniella ornata** (Stål)
Stål, Berl. Ent. Zeit., vi, p. 315, 1862, *Delphax.*
Osborn, Proc. Ia. Acad. Sci., i, pt. 2, p. 127, 1892, *Liburnia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894; p. 247, 1897, *Liburnia.*

Wirtner, Ann. Carn. Mus., iii, p. 216, 1904, *Liburnia.*
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907, *Liburnia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 203, 1909, *Liburnia.*
Van Duzee, Can. Ent., xli, p. 128, 1909, *Liburnia.*
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910, *Liburnia.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 586, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915, *Liburnia.*
Localities: Ont., N. Y., N. J., Pa., D. C., N. C., S. C., Fla., Miss., Ohio, Ky., Ill., Minn., Ia., Kans. (Bermudas.)

Genus **Liburnia** Stål
Logotype *pellucida* (Fabr.)

Stål, Hemip. Afr., iv, pp. 176, 179, 1866 (n.n. for *Delphax* Auct.).
Scott, Ent. Mo. Mag., vii, pp. 23, 25, 1870.
Sahlberg, Cicad., p. 422, 1871.
Fieber, Kat. Eur. Cicad., p. 5, 1872.
Fieber, Cicad. d'Eur., i, p. 89, 1875; ii, pl. 8, 1876; iv, p. 1, 1879.
Berg, Hemip. Argent., p. 223, 1879.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 51.
Melichar, Cicad. Mitt. Eur., p. 69, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 246, 1897.
Kirkaldy, Entomol., xxxv, p. 167, 1902.
Fowler, Biol. Centr. Am., Homop., i, p. 133, 1905. [type).
Distant, Fauna Brit. Ind., Rhyn., iii, p. 480, 1906 (names *monoceros* pseudo-
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 504, 1912 (discussion of type).
Van Duzee, Psyche, xxi, p. 166, 1914 (names *pellucida* type).
Bergroth, Can. Ent., xlvii, p. 215, 1915 (cites *pellucida* as type).
Muir, Can. Ent., xlvii, p. 300, 1915.
Muir, Proc. Haw. Ent. Soc., iii, p. 333, 1917 (names *vitticollis* type).
†*Asiraca* Latreille, Hist. Nat. Crust. Ins., xii, p. 316, 1804 (in part).
†*Delphax* Latreille, Genera Crust. Ins., iii, p. 168, 1807.
Latreille, Consid. Général, pp. 263, 434, 1810 (names *striata* pseudotype).
Leach *in* Brewster's Edinbg. Encyc., ix, p. 125, 1815.
Germar, Mag. d. Ent., iii, p. 205, 1818.
Fallén, Hemip. Suec., Cicad., p. 73, 1826 (part).
Zetterstedt, Fauna Lapp., p. 547, 1828.
Germar, Silb. Revue Ent., i, p. 176, 1833.
Duponchel, Revue Zool., ii, p. 204, 1839 (names *limbata* pseudotype).
Spinola, Ann. Soc. Ent. Fr., viii, p. 329, 1839.
Blanchard, Hist. des Ins., Hémip., p. 177, 1840.
Amyot and Serville, Hémip., p. 512, 1843.
Stål, Of. Vet. Akad. Forh., xi, p. 189, 1854.
Flor, Rhyn. Livl., ii, p. 25, 1861.
Stål, Rio Jan. Hemip., ii, p. 7, 1862.
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, pp. 520, 524, 1866.
Mayr, Tabellen, p. 20, 1884.
Puton, Cat. Hemip. Palae., edn. 3, p. 73, 1886.
Ashmead, Ent. Am., v, p. 26, 1889.
Provancher, Pet. Faune Ent. Can., iii, p. 223, 1889.
Matsumura, Schrift. Nat. Ges. Danzig, xi, p. 76, 1906.
Oshanin, Verz. Palae. Hemip., ii, p. 312, 1907. [genus).
Delphacodes Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 524, 1866 (sub-

Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 149, 1907.
Muir, Proc. Haw. Ent. Soc., iii, p. 332, 1917.
†*Embolophora* Kirkaldy, Entomol., xxxiv, pp. 6, 340, 1901. [Fieb. 1866).
Delphacissa Kirkaldy, Can. Ent., xxxviii, p. 155, 1906 (n.n. for *Delphax*
†*Megamelus* Crawford, Proc. U. S. Natl. Mus., xlvi, p. 602, 1914 (part).

2759. **Liburnia slossoni** Ball

Ball, Can. Ent., xxxv, p. 231, 1903.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 201, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: Ga., Fla.

2760. **Liburnia weedi** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 252, 1897; ix, p. 202, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: Ga., Fla., Miss.

2761. **Liburnia humilis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 48, 1907; ix, p. 202, 1909.
Localities: Fla. (Jamaica.)

2762. **Liburnia laminalis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 251, 1897; ix, p. 201, 1909.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 624, 1914, *Megamelus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. Y., N. C., Fla., Ohio.

2763. **Liburnia lateralis** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 253, 1897 (described).
Localities: Ont., N. H., N. Y.

2764. **Liburnia kilmani** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 253, 1897 (described).
Osborn, Ohio Nat., iv, p. 100, 1904.
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. Y., N. C., Ohio.

2765. **Liburnia culta** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 47, 1907.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 628, 1914, *Megamelus.*
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: Fla. (Jamaica.)

2766. **Liburnia pellucida** (Fabr.)

Fabricius, Ent. Syst., iv, p. 7, 1794, *Fulgora.*
Fabricius, Syst. Rhyng., p. 84, 1803, *Delphax.*
Germar, Mag. d. Ent., iii, p. 212, 1818, *Delphax.*
Fallén, Hemip. Suec. Cicad., p. 76, 1826, *Delphax.*
Zetterstedt, Fauna Lapp., p. 548, 1828, *Delphax.*
Burmeister, Handb. d. Ent., ii, p. 150, 1835, *Delphax.*
Spinola, Ann. Soc. Ent. Fr., viii, p. 334, 1839, *Delphax.*
Stål, Of. Vet. Akad. Forh., xi, p. 193, 1854, *Delphax.*

Flor, Rhyn. Livl., ii, p. 65, 1861, *Delphax.*
Marshall, Ent. Mo. Mag., i, p. 273, 1865, *Delphax.*
Scott, Ent. Mo. Mag., vii, p. 27, 1870.
Sahlberg, Cicad., p. 436, 1871.
Fieber, Cicad. d'Eur., iv, p. 4, 1879.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 78.
Harrington, Ottawa Nat., vi, p. 31, 1892.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894.
Melichar, Cicad. Mitt. Eur., p. 75, pl. 5, fig. 16, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 58, pl. 6, fig. 8, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v. p, 247, 1897.
Kirkaldy, Entomol., xxxiv, p. 338, 1901, *Embolophora.*
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Slosson, Ent. News, xvii, p. 326, 1906.
Van Duzee, Can. Ent., xl, p. 114, 1908.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 615, 1914, *Megamelus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.

marginata Fabricius, Ent. Syst., iv, p. 7, 1794, *Fulgora.*
Fabricius, Syst. Rhyng., p. 84, 1803, *Delphax.*
Germar, Mag. d. Ent., iii, p. 215, 1818, *Delphax.*

flavescens Fabricius, Ent. Syst., iv, p. 7, 1794, *Fulgora.*
Fabricius, Syst. Rhyng., p. 84, 1803, *Delphax.*
Germar, Mag. d. Ent., iii, p. 213, 1818, *Delphax.*

striata Fabricius, Ent. Syst., iv, p. 7, 1794, *Fulgora.*
Fabricius, Syst. Rhyng., p. 84, 1803, *Delphax.*
Germar, Mag. d. Ent., iii, p. 214, 1818, *Delphax.*

dispar, Fallén, Acta Holm for 1806, p. 126, *Delphax.*
Fallén, Hemip. Suec., Cicad., p. 74, 1826, *Delphax.*
Zetterstedt, Fauna Lapp., p. 548, 1828, *Delphax.*
Herrich–Schaeffer, Nomen. Ent., i, p. 106, 1835, *Delphax.*
Fieber, Cicad. d'Eur., iv, p. 8, 1879.

dubia Kirschbaum, Cicad. v. Wiesbd., p. 26, 1826, *Delphax.*

piceola Kirschbaum, Cicad. v. Wiesbd., p. 30, 1826, *Delphax.*

suturalis Curtis, Brit. Ent., xiv, pl. 657, 1837, *Delphax.*

a. var. **obscura** Fieb.
Fieber, Cicad. d'Eur., iv, p. 3, 1879.
pellucida var. g, Sahlberg, Cicad., p. 438, 1871.

b. var. **fascicollis** (Rey)
Rey, Revue d'Ent., x, p. 244, 1891, *Delphax.*

c. var. **variicollis** (Rey)
Rey, Échange, x, p. 14, 1894, *Delphax.*
Oshanin, Verz. Palae. Hemip., iii, p. 185, 1910, *Delphax.*

Localities: Quebec, Ont., N. H., N. Y., N. J., N. C., Ohio, Colo., Brit. Col., Alaska. (Palaearctic.)
[The varieties have not been worked up in this country.]

2767. **Liburnia consimilis** Van D.

Gillette and Baker, Hemip. Colo., p. 69, 1895 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 249, 1897.

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 616, 1914, *Megamelus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 45, 1914.
?Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 13, 1915.
Localities: N. C.(?), Colo., Calif., Nev., Brit. Col.

2768. **Liburnia puella** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 250, 1897 (described).
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Wirtner, Ann. Carn. Mus., iii, p. 216, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 160, 1907.
Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 202, 1909.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 625, 1914, *Megamelus.*
Metcalfe, Jl. Elisha Mitchell Sci. Soc., xxxi, p. 12, 1915.
Muir, Proc. Haw. Ent. Soc., iii, p. 337, 1917.
Localities: Quebec, Ont., N. Y., N. J., Pa., N. C., Fla., Miss., Ohio, Ky., Ill., Ia. (Hawaiian Isds., Australia).

2769. **Liburnia basivitta** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 202, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 626, 1914, *Megamelus.*
Localities: Mass., N. Y., Ga., Fla., Ohio.

2770. **Liburnia pacifica** (Crawf.)

Crawford, Proc. U. S. Natl. Mus., xlvi, p. 626, 1914, *Megamelus.*
Localities: Ariz., Calif.

2771. **Liburnia osborni** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 250, 1897 (described).
Osborn, Proc. Ia., Acad. Sci., v, p. 235, 1897.
Osborn, Ohio Nat., iv, p. 100, 1904.
?Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: N. Y., N. J., Fla., Ohio, Mich., Ill., Ia., Colo.

2772. **Liburnia arvensis** (Fitch)

Fitch, Homop. N. Y. St. Cab., p. 46, 1851, *Delphax.*
Van Duzee, Psyche, v, p. 390, 1890.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 248, 1897.
Locality: N. Y.

2773. **Liburnia campestris** Van D.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 254, 1897 (described).
Swezey, U. S. Dept. Agr., Div. Ent., Bul. 46, p. 43, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 617, 1914, *Megamelus.*
Localities: Quebec, Ont., N. H., Mass., N. Y., Pa., D. C., Miss., Ohio, Mich., Kans., Calif.

2774. **Liburnia furcata** (Prov.)
Provancher, Nat. Can., iv, p. 320, 1872, *Delphax.*
Provancher, Pet. Faune Ent. Can., iii, p. 225, 1889, *Delphax.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894; p. 248, 1897.
?Van Duzee, Can. Ent., xxxviii, p. 408, 1906; xliv, p. 325, 1912.
Localities: Quebec, Ont., N. H., N. Y.

2775. **Liburnia magna** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 627, 1914, *Megamelus.*
Locality: Colo.

2776. **Liburnia detecta** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 248, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 97, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
circumcincta Van Duzee, Bul. Buf. Soc. Nat. Sci., ix, p. 203, 1909.
Van Duzee, Can. Ent., xli, p. 128, 1909.
Van Duzee, Check List Hemip., p. 84, No. 2777, 1916.
Localities: Mass., N. Y. N. J., Ga., Fla. (Bermudas.)

(2777 see No. 2776.)

2778. **Liburnia tuckeri** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., x, p. 506, 1912.
Localities: Ga., Fla., Texas, Calif.

2779. **Liburnia foveata** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 257, 1897 (described).
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: N. Y., N. J.

2780. **Liburnia lutulenta** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 252, 1897 (described).
Osborn, Ohio Nat., iv, p. 100, 1904.
Swezey, U. S. Dept. Agr., Div. Ent., Bul. 46, p. 45, 1904.
Van Duzee, 20th Rept. N. Y. St. Ent., p. 553, 1905.
Slosson, Ent. News, xvii, p. 326, 1906.
Tucker, Kans. Univ. Sci. Bul., iv, p. 65, 1907.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 617, 1914, *Megamelus.*
Localities: Quebec, Ont., N. H., Mass., N. Y., Ohio, Minn., Kans., Colo.

2781. **Liburnia obscurella** (Bohm.)
Boheman, Kongl. Vet. Akad. Handl. for 1847, p. 53, *Delphax.*
Stål, Of. Vet. Akad. Forh., xi, p. 195, 1854, *Delphax.*
Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, pl. 8, fig. 29, 1866, *Delphax.*
Scott, Ent. Mo. Mag., vii, p. 28, 1870.
Sahlberg, Cicad., p. 443, 1871.
Fieber, Cicad. d'Eur., iv, p. 20, 1879.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 80.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894.

Melichar, Cicad. Mitt. Eur., p. 82, pl. 5, figs. 22, 23, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 60, 1896.
Localities: N. Y. (Europe.)

2782. **Liburnia magnistyla** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 627, 1914, *Megamelus.*
Locality: Ariz.

2783. **Liburnia hemiptera** (Germ.)
Germar, Mag. d. Ent., iii, p. 217, 1818, *Delphax.*
Stål, Of. Vet. Akad. Forh., xi, p. 193, 1854, *Delphax.*
Stål, Stet. Ent. Zeit., xix, p. 192, 1858, *Delphax.*
Ashmead, Harriman Alaska Exped., viii, p. 131, 1904, *Delphax.*
Localities: Alaska. (Europe.)
(This species is not recognized by Oshanin.)

2784. **Liburnia steinegeri** (Ashm.)
Ashmead, Fur Seals and Fur Seal Isds., iv, p. 340, 1899, *Delphax.*
Ashmead, Harriman Alaska Exped., viii, p. 130, 1904, *Delphax.*
Locality: Alaska.

2785. **Liburnia incerta** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 192, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 258, 1897.
Localities: N. Y., Ohio.

2786. **Liburnia magnifrons** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 614, 1914, *Megamelus.*
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech Bul., i, p. 248, 1916.
Localities: Colo., Calif.

2787. **Liburnia vanduzeei** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 622, 1914, *Megamelus.*
Locality: Mass.

2788. **Liburnia kormusi** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 614, 1914, *Megamelus.*
Locality: Nev.

2789. **Liburnia occlusa** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 256, 1897.
Osborn, Ohio Nat., iv, p. 100, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 619, 1914, *Megamelus.*
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 45, 1914.
Localities: Ohio, Calif.

2790. **Liburnia lineatipes** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 191, 1894 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 255, 1897 (described).
Osborn, Ohio Nat., iv, p. 100, 1904.
Van Duzee, Trans. San Diego Soc. Nat. Hist., ii, p. 45, 1914.
Localities: Ont., N. Y., Ohio, Calif.

2791. **Liburnia indistincta** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 619, 1914, *Megamelus.*
Locality: Colo.

2792. **Liburnia nigridorsum** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 620, 1914, *Megamelus.*
Weiss, Ent. News, xxvii, p. 215, 1917.
Localities: N. J., Colo.

2793. **Liburnia dolera** Spnr.
Spooner, Can. Ent., xliv, p. 240, 1912.
Locality: N. Y.

2794. **Liburnia nigrigaster** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 621, 1914, *Megamelus.*
Locality: Colo.

2795. **Liburnia gillettei** Van D.
Gillette and Baker, Hemip. Colo., p. 69, 1895 (nomen nudum).
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 258, 1897 (described).
Osborn, Ohio Nat. iv, p. 100, 1904.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 616, 1914, *Megamelus.*
Localities: Ohio, Colo., Wyo., Nev.

2796. **Liburnia albolineosa** Fowl.
Fowler, Biol. Centr. Am., Homop., i, p. 135, pl. 13, fig. 14, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 47, 1907; ix, p. 203, 1909.
Van Duzee, Can. Ent., xli, p. 128, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 610, 1914, *Megamelus.*
Localities: Fla. (Bermudas, West Indies, Mexico.)

2797. **Liburnia teapae** Fowl.
Fowler, Biol. Centr. Am., Homop., i, p. 135, pl. 13, fig. 13, 1905.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 46, 1907.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 618, 1914, *Megamelus.*
Localities: Fla. (West Indies, Mexico.)

2798. **Liburnia seminigra** (Stål)
Stål, Of. Vet. Akad. Forh., xi, p. 246, 1854, *Delphax.*
Stål, Freg. Eugen. Resa, Ins., p. 275, 1859, *Delphax.*
Stål, Rio Jan. Hemip., ii, p. 7, 1862, *Delphax.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 45, 1907; ix, p. 203, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Localities: Fla., Colo. (Neotropical.)

2799. **Liburnia analis** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 620, 1914, *Megamelus.*
Locality: Wis.

2800. **Liburnia andromeda** Van D.
Van Duzee, Bul. Buf. Soc. Nat. Sci., viii, No. 5, p. 46, 1907; ix, p. 203, 1909.
Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 628, 1914, *Megamelus.*
Localities: Pa., Fla. (Neotropical.)

2801. **Liburnia rotundata** (Crawf.)
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 618, 1914, *Megamelus.*
Locality: Ala.

2802. **Liburnia unicolor** (Walk.)

Walker, List Homop., ii, p. 354, 1851, *Delphax* (not of H. Sch.).
Locality: Canada.

[**Liburnia pumila** Van D. MS]

Barber, Bul. Am. Mus. Nat. Hist., xxxiii, p. 529, 1914.
Locality: Fla.
[Probably an early MS name for *puella* Van D.]

Genus **Dicranotropis** Fieb.
Logotype *hamata* (Boh.)

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 521, 1866.
Sahlberg, Cicad., p. 469, 1871.
Fieber, Cicad. d'Eur., i, p. 9, 1875; pl. 8, 1876; iv, p. 82, 1879.
Mayr, Tabellen, p. 21, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 92.
Ashmead, Ent. Am., v, p. 27, 1889.
Melichar, Cicad. Mitt. Eur., pp. 51, 96, 1896.
Edwards, Hemip. Homop. Brit. Isds., p. 72, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 228, 240, 1897.
Oshanin, Kat. Palae. Hemip., p. 120, 1912 (names *hamata* type).
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 593, 1914 (part; names *beckeri*
Muir, Can. Ent., xlvii, p. 300, 1915. [pseudotype).

2803. **Dicranotropis luteivitta** (Walk.)

Walker, List Homop., ii, p. 354, 1851, *Delphax*.
Locality: "U. S."

Genus **Achorotile** Fieb.
Haplotype *albosignata* Dahlb.

Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 521, 1866.
Scott, Ent. Mo. Mag., vii, p. 195, 1870.
Sahlberg, Cicad., p. 472, 1871 (as subgenus of *Ditropis*).
Fieber, Cicad. d'Eur., i, p. 92, 1875; ii, pl. 8, 1876; iv, p. 88, 1879.
Ashmead, Ent. Am., v, p. 27, 1889.
Melichar, Cicad. Mitt. Eur., pp. 51, 99, 1896.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, pp. 230, 259, 1897.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 578, 1914.
Muir, Can. Ent., xlvi, p. 297, 1915.

(2804 see No. 2717.)

2805. **Achorotile foveata** Spnr.

Spooner, Can. Ent., xliv, p. 241, 1912.
Locality: Calif.

Genus **Criomorphus** Curt.
Haplotype *albomarginatus* Curt.

Curtis, Ent. Mag., i, p. 195, 1833.
Kirkaldy, Haw. S. P. A., Exp. Sta. Bul., iii, p. 131, 1907. [Fieb.).
Stiroma Fieber, Verh. Zool.-Bot. Ges. Wien, xvi, p. 521, 1866 (type *affinis*
Fieber, Cicad. d'Eur., i, p. 93, 1875; ii, pl. 8, 1876; iv, p. 90, 1879.
Mayr, Tabellen, p. 21, 1884.
Edwards, Trans. Ent. Soc. Lond. for 1886, p. 93.
Melichar, Cicad. Mitt. Eur., pp. 51, 100, 1896.
Edwards, Hemip. Homop. Brit., Isds., p. 73, 1896.

Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 260, 1897.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 583, 1914.
Muir, Can. Ent., xlvii, p. 298, 1915.
Ditropis Fieber, Verh. Zool.-Bot. Ges. Wien, pl. 8, fig. 18, 1866.
Kirschbaum, Cicad. v. Wiesbd., p. 41, 1868.
[Muir considers *Eurybregma* distinct.]

2806. **Criomorphus inconspicuus** (Uhl.)
Uhler, Bul. U. S. Geol. Geog. Surv., iii, p. 458, 1877, *Stiroma.*
Gillette and Baker, Hemip. Colo., p. 70, 1895, *Stiroma.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 260, 1897, *Stiroma.*
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 583, 1914, *Jassideus.*
Localities: N. Y.(?), Colo.

Genus **Pentagramma** Van D.
Orthotype *vittatifrons* Uhl.
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 260, 1897.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 565, 1914.

2807. **Pentagramma vittatifrons** (Uhl.)
Uhler, Bul. U. S. Geol. Geog. Surv., i, p 351, 1876; iv, p 510, 1878, *Liburnia.*
Uhler, Stand. Nat. Hist., ii, p. 241, 1884, *Liburnia.*
Osborn and Ball, Proc. Ia. Acad. Sci., iv, p. 233, 1896, *Liburnia.*
Van Duzee, Bul. Buf. Soc. Nat. Sci., v, p. 260, 1897.
Osborn, Proc. Ia. Acad. Sci., v, p. 235, 1897.
Smith, Cat. Ins. N. J., edn. 3, p. 98, 1910.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 567, 1914.
Localities: Mass., N. Y., N. J., Md., Ill., Ia., Dak., Mont.

2808. **Pentagramma minore** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 567, 1914.
Locality: Wyo.

SECTION *HYMENELYTRATA* Fall.
Fallén, Spec. Nova Hemip., Disp. Meth. Exhib., p. , 1814.
Latreille, Fam. Nat. Règne Animal, p. 428, *Hemelytra.*
Fallén, Hemip. Suec., Cimic., preface, 1829.

SERIES *STERNORHYNCHA* (A. & S.)
Amyot and Serville, Hémip., pp. lxvi, 588, 1843, *Sternorhynchi.* (Section.)
Fieber, Genera Hydrocoridum, p. 10, 1851.
Flor, Rhyn. Livl., ii, pp. 5, 436, 1861.
Provancher, Pet. Faune Ent. Can., iii, p. 302, 1890, *Sternorhynques.*
Oshanin, Verz. Palae. Hemip., ii, p. 338, 1907. (Section.)
Oshanin, Kat. Palae. Hemip., p. 125, 1912.
Van Duzee, Check List Hemip., p. 85, 1896. (Section.)
Phytothelga Dumeril, Zool. Analyt., p. , 1906.
Dimera Westwood, Intr. Mod. Classif. Ins., ii, p. 434, 1840.
Kirkaldy, Fauna Hawai., iii, p. 113, 1902. (Tribe.)

SUBSERIES *PHYTOPHTHIRES* Burm.
Burmeister, Handb. d. Ent., ii, pp. 55, 84, 1835.
Walker, List Homop., iv, p. 909, 1852.
Flor, Rhyn. Livl., ii, pp. 5, 436, 1861.
Oshanin, Verz. Palae. Hemip., ii, p. 338, 1907.
Aphidiens Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 224, 1829.

Family CHERMIDAE (Fall.)

Fallén, Spec. Nova Hemip. Disp. Meth. Exhib., p. , 1814, *Chermides.*
Billberg, Enum. Ins. Coll. Billbg., p. , 1820, *Chermides.*
Kirkaldy, Entomol., xxxvii, p. 255, 1904.
Kirkaldy, Fauna Hawai., ii, p. 598, 1910.
Van Duzee, Check List Hemip., p. 85, 1916.
Psyllidae Latreille, Genera Crust. Ins., iii, p. 168, 1807.
Latreille, Consid. Gén., pp. 264, 434, 1810.
Latreille, Fam. Nat. Règne Animal, p. 428, 1825, *Psyllides.*
Burmeister, Handb. d. Ent., ii, p. 95, 1835, *Psyllodes.*
Blanchard, Hist. des Ins., Hémip., p. 201, 1840, *Psylliens.*
Westwood, Intr. Mod. Classif. Ins., ii, p. 435; Synop., p. 117, 1840.
Hartig, Germar's Zeit. f. Ent., iii, p. 370, 1841, *Psyllodes.*
Amyot and Serville, Hémip., pp. lxvi, 590, 1843, *Psyllides.*
Walker, List Homop., iv, p. 909, 1852.
Dohrn, Cat. Hemip., p. 94, 1859.
Flor, Rhyn. Livl., ii, p. 438, 1861, *Psyllodea.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 526 (monograph British
Thomas, 8th Rept. Ill. St. Ent., p. 12, 1879. [species).
Uhler, Stand. Nat. Hist., ii, p. 223, 1884.
Puton, Cat. Hémip. Palae., edn. 3, p. 90, 1886, *Psyllides.*
Provancher, Pet. Faune Ent. Can., iii, p. 302, 1890.
Kirkaldy, Faune Hawai., iii, p. 113, 1902.
Oshanin, Verz. Palae. Hemip., ii, p. 338, 1907.
Patch, Ann. Ent. Soc. Am., ii, p. 117, 1909 (venation).
Crawford, Pomona Jl. Ent., ii, p. 228, 1910; iii, p. 480, 1911.
Oshanin, Kat. Palae. Hemip., p. 125, 1912.
Aulmann, Psyllidarum Catalogus, Berlin, 1913 (catalogue world species).
Crawford, U. S. Natl. Mus., Bul. 85, 1914 (monograph Am. species).

Subfamily LIVIINAE Löw

Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 605, 606, 1878.
Scott, Trans. Ent. Soc. Lond. for 1882, p. 462, *Livïïnae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 90, 1886, *Liviaria.*
Edwards, Hemip. Homop. Brit. Isds., p. 227, 1896, *Liviidae.*
Oshanin, Kat. Palae. Hemip., p. 125, 1912, *Liviaria.* (Tribe.)
Aulmann, Psyllid. Cat., p. 75, 1913.
Crawford, U. S. Natl. Mus., Bul. 85, p. 19, 1914.

TRIBE *LIVIINI* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 19, 1914.

Genus **Livia** Latr.

Haplotype *juncorum* (Linn.)

Latreille, Hist. Nat. Crust. Ins., iii, p. 266, 1802 (*juncorum* only species).
Latreille, Hist. Nat. Crust. Ins., xii, p. 374, 1804.
Latreille, Genera Crust. Ins., iii, p. 170, 1807.
Latreille, Consid. Gén., pp. 265, 434, 1810 (names *juncorum* type).
Latreille, *in* Cuvier, Règne Animal, iii, p. 410, 1817 (no species mentioned).
Latreille, *in* Cuvier, Règne Animal, edn. 2, v. 225, 1829.

Leach, *in* Brewster's Edinbg. Encyc., Am. edn., viii, p. 714, 1832.
Curtis, Brit. Ent., vi, pl. 492, 1834.
Burmeister, Handb. d. Ent., ii, p. 96, 1835.
Blanchard, Hist. des Ins., Hémip., p. 202, 1840.
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 117, 1840.
Hartig, *in* Germar's Zeit. f. Ent., iii, p. 375, 1841.
Amyot and Serville, Hémip., p. 596, 1843.
Walker, List Homop., iv, p. 909, 1852.
Flor, Rhyn. Livl., ii, p. 540, 1861.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 380, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 565.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 606, 1878.
Provancher, Pet. Faune Ent. Can., iii, p. 307, 1890.
Edwards, Hemip. Homop. Brit. Isds., p. 227, 1896.
Crawford, U. S. Natl. Mus., Bul. 85, p. 19, 1914.

Diraphia Illiger, Mag. d. Insektk., i, p. 284, 1802 (nomen nudum?).
Waga, Ann. Soc. Ent. Fr., xi, p. 275, 1842 (characterized). Haplotype [*limbata* Waga.
Amyot and Serville, Hémip., p. 596, 1843.
Walker, List Homop., iv, p. 911, 1852.
Thomas, 8th Rept. Ill. St. Ent., p. 13, 1879.

2809. **Livia coloradensis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 20, 1914 (figures).
Host: (?)
Localities: Ark., Colo.

2810. **Livia maculipennis** (Fh.)

Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 740, 1857 (1858), *Diraphia.*
Thomas, 8th Rept. Ill. St. Ent., p. 14, 1879, *Diraphia.*
Riley, Proc. Biol. Soc. Wash., ii, p. 68, 1884.
Smith, Cat. Ins. N. J., edn. 3, p. 108, 1910.
Patch, Psyche, xix, p. 6, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 21, 1914 (figures).
Patch, Psyche, xxiii, p. 21, 1916 (gall on Juncus).

bifasciata Provancher, Pet. Faune Ent. Can., iii, p. 308, 1890.
Hosts: Juncus, Pinus, Caltha.
Localities: Quebec, N. H., Mass., N. Y., N. J., Pa., D. C., Ala.

2811. **Livia marginata** Patch

Patch, Psyche, xix, p. 8, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 21, 1914.
Host: (?)
Localities: N. H., Conn.

2812. **Livia vernalis** Fh.

Fitch, Homop. N. Y. St. Cab., p. 64, 1851.
Walker, List. Homop., iv, p. 910, 1852.
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 739, 1857 (1858), *Diraphia.*
Thomas, 8th Rept. Ill. St. Ent., p. 14, 1879, *Diraphia.*
Riley, Proc. Biol. Soc. Wash., ii, p. 68, 1884.
Packard, 5th Rept. U. S. Ent. Comm., p. 803, 1890, *Diraphia.*
Gillette and Baker, Hemip. Colo., p. 115, 1895.
Snow, Kans. Univ. Sci. Bul., ii, p. 350, 1904 (mention).

Smith, Cat. Ins. N. J., edn. 3, p. 108, 1910.
Patch, Psyche, xix, p. 7, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 22, 1914 (figures).
Weiss, Ent. News, xxvii, p. 163, 1916.
femoralis Fitch, Homop. N. Y. St. Cab., p. 64, 1851.
Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 740, 1857 (1858), *Diraphia.*
Thomas, 8th Rept. Ill. St. Ent., p. 14, 1879, *Diraphia.*
calamorum Fitch, Trans. N. Y. St. Agr. Soc., xvii, p. 740, 1857 (1858),
Thomas, 8th Rept. Ill. St. Ent., p. 14, 1879, *Diraphia.* [*Diraphia.*
saltatrix Provancher, Pet. Faune Ent. Can., iii, p. 307, 1890.
Hosts: Pinus, Calamus.
Localities: Quebec, Conn., N. Y., N. J., Pa., D. C., Va., Mich., La., Colo., Ariz.

2812½. **Livia viridescens** (Prov.)

Provancher, Nat. Can., iv, p. 379, 1872, *Diraphia.*
Host: (?)
Locality: Quebec.

2813. **Livia caricis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 23, 1914 (figures).
Host: Carex.
Localities: Me., Pa., Ill., Colo., N. Mex., Utah, Calif., Ore., Brit. Col.

TRIBE *APHALARINI* (Löw)

Löw, Verh. Zool.-Bot. Ges. Wien, xviii, p. 605, 1878, *Aphalarinae.*
Puton, Cat. Hémip. Palae., edn. 3, p. 90, 1886, *Aphalararia.*
Edwards, Hemip. Homop. Brit. Isds., p. 22, 1896, *Aphalaridae.*
Kuwayama, Trans. Sapporo Nat. Hist. Soc., ii, p. 15, 1907.
Oshanin, Kat. Palae. Hemip., p. 126, 1912, *Aphalararia.*
Aulmann, Psyllid. Cat., p. 61, 1913, *Aphalarinae.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 24, 1914.

Genus **Aphalara** Först.
Logotype *calthae* (Linn.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 67, 1848.
Walker, List Homop., iv, p. 929, 1852 (listed).
Flor, Rhyn. Livl., ii, p. 530, 1861.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 380, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 559.
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, p. 607, 1878; xxxii, p. 3, 1882.
Edwards, Hemip. Homop. Brit. Isds., p. 229, 1896.
Crawford, Pomona Jl. Ent., iii, p. 492, 1911. (Key.)
Crawford, U. S. Natl. Mus., Bul. 85, p. 24, 1914. (Key.)

Subgenus **Aphalara** Först.

Crawford, U. S. Natl. Mus., Bul. 85, p. 25, 1914 (implied).

2814. **Aphalara exilis** (W. & M.)

Weber and Mohr, Naturh. Reise d. eine Theil Schwedens, p. 65, pl. 1, fig. 2,
Fallén, Hemip. Suec., Cicad., p. 80, 1826, *Chermes.* [1804, *Tettigonia.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 89, 1848.
Flor, Rhyn. Livl., ii, p. 532, 1861.

Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 560, pl. 9, fig. 10.
Thomson, Opusc. Ent., viii, p. 840, 1877.
Douglas, Ent. Mo. Mag., xv, p. 255, 1879 (mention).
Strand, Ent. Tidskr., xxiii, p. 270, 1902.

rumicis, Boheman, Vet. Akad. Handl. for 1850, p. 177, *Psylla*.
Reuter, Medd. Fauna Flora Fenn., i, p. 72, 1876, *Psylla*.
Hosts: Rumex, Pinus.
Localities: "E. St." (Europe.)

2815. **Aphalara calthae** (Linn.)

Linnaeus, Fauna Suec., edn. 2, p. 263, no. 1005, 1761, *Chermes*.
Linnaeus, Syst. Nat., edn. 12, ii, p. 738, 1867, *Chermes*.
Fabricius, Syst. Ent., p. 741, 1775, *Chermes*.
Goeze, Ent. Beytr., ii, p. 321, 1778, *Chermes*.
Gmelin, *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2212, 1788, *Chermes*.
Fabricius, Ent. Syst., iv, p. 222, 1794, *Chermes*.
Fabricius, Syst. Rhyng., p. 304, 1803, *Chermes*.
Blanchard, Hist. des Ins., Hémip., p. 210, 1840, *Chermes*.
Walker, List Homop., iv, p. 921, 1852, *Psylla?*
Thomson, Opusc. Ent., viii, p. 840, 1877.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 233, 1882; xxxvi, p. 149, 1886.
Edwards, Hemip. Homop. Brit. Isds., p. 232, 1896.
Crawford, Pomona Jl. Ent., iii, p. 495, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 27, 1914 (figures).

polygoni Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 90, 1848.
Flor, Rhyn. Livl., ii, p. 534, 1861.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 561.
Douglas, Ent. Mo. Mag., xv, p. 255, 1879 (mention).
Mally, Proc. Ia. Acad. Sci., ii, pl. 15, figs. 1–3, 1895 (larvae).
Patch, Me. Agr. Exp. Sta., Bul. 195, p. 235, 1911; Bul. 202, p. 216, 1912.

ulicis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 96, 1848.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
Hosts: Caltha, Rumex, Polygonum, Ulex, Pinus.
Localities: Me., Mass., D. C., Ill., Ia., La., Wyo., Colo., Utah, N. Mex., Calif., Ore., Wash. (Cuba, Mexico, Europe.)

2815½. **Aphalara nubifera** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 216, 1912.
Host: Sisymbrium.
Locality: Colo.

2816. **Aphalara ‖rumicis** Mally

Mally, Proc. Ia. Acad. Sci., ii, p. 166, 1895 (as var. of *exilis*).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 217, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 29, 1914 (figures).

†*maculipennis* Crawford, Pomona Jl. Ent., iii, p. 496, 1911.
[Probably identical with *maculipennis* Löw as suggested by Crawford; if not Mally's name is preoccupied by *rumicis* Boheman and must be changed.]
Hosts: Rumex, Sophia.
Localities: Ia., Mo., Wyo., Colo., Texas, Calif., Ore.

2817. **Aphalara artemisiae** Först.

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 96, 1848.
Flor, Rhyn. Livl., ii, p. 537, 1861.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
Scott, Ent. Mo. Mag., xiii, p. 67, 1876; p. 282, 1877.
Thomson, Opusc. Ent., viii, p. 841, 1877.
Edwards, Ent. Mo. Mag., xliv, p. 86, 1908.
Crawford, Pomona Jl. Ent., ii, p. 496, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 29, 1914.
malachitica Dahlbom, Kong. Vet. Akad. Handl. for 1850, p. 177, *Psylla.*
Host: Artemisia.
Localities: Colo., Utah. (Europe.)

2818. **Aphalara angustipennis** Crawf.

Crawford, Pomona Jl. Ent., iii, p. 499, 1911 (as var. of *artemisiae*).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 218, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 30, 1914 (figures).
Host: Artemisia.
Localities: Md., S. D., Colo., Utah, Calif., Ore., Wash.

2819. **Aphalara viridis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 30, 1914.
Host: (?)
Locality: Ariz.

2820. **Aphalara pinicola** Crawf.

Crawford, U. S. National Mus., Bul. 85, p. 31, 1914.
Host: Pinus.
Locality: Calif

2821. **Aphalara suaedae** Crawf.

Cockerell, Am. Nat., xxxiv, p. 290, 1900 (*A. suedae* Schw. MS).
Crawford, U. S. Natl. Mus., Bul. 85, p. 31, fig. 110, 1914 (described).
Host: Suaeda.
Localities: N. Mex., Calif.

2822. **Aphalara veaziei** Patch

Patch, Me. Agr. Exp. Sta., Bul. 187, p. 16, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 31, 1914 (figures).
communis Crawford, Pomona Jl. Ent., iii, p. 499, 1911 (figures).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 218, 1912.

a. var. **metzaria** Crawf.

Crawford, Pomona Jl. Ent., iii, p. 499, 1911 (as var. of *communis*).
Host: Aster.
Localities: Ont., Md., D. C., Va., W. Va., Wis., S. D., Neb., Wyo., Colo., Utah, Texas, Ariz., Calif., Wash.

2823. **Aphalara caudata** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 33, 1914.
Host: (?)
Locality: Calif.

2824. **Aphalara pulchella** Crawf.

Crawford, Pomona Jl. Ent., iii, p. 500, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 33, 1914 (figures).
Host: (?)
Locality: Calif.

2825. **Aphalara picta** (Zett.)

Zetterstedt, Fauna Lapp., p. 553, 1828, *Chermes.*
Zetterstedt, Ins. Lapp., column 308, 1840, *Chermes.*
Flor, Rhyn. Livl., ii, p. 539, 1861.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 563, pl. 9, fig. 9.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvi, pl. 2, figs. 36–40, 1876; xxix, p. 562,
Reuter, Ent. Tidskr., ii, p. 15, 1881 (in Swedish). [pl. 15, figs. 14, 15, 1879.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 256, 1882; xxxvi, p. 150, 1886.
Edwards, Hemip. Homop. Brit. Isds., p. 230, 1896.
Crawford, Pomona Jl. Ent., iii, p. 501, 1911.
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 217, 1912 (note).
Crawford, U. S. Natl. Mus., Bul. 85, p. 33, 1914 (figures).
flavipennis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 89, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
Löw, Verh. Zool.-Bot. Ges. Wien, xxiii, p. 141, 1873.
sonchi Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 96, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
alpigena Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 402, 1871.
†*nervosa* Thomson, Opusc. Ent., viii, p. 840, 1877.
Hosts: Chrysanthemum, Leontodon, Hypochaeris.
Localities: Mo., Colo. (Europe.)

2826. **Aphalara fascipennis** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 217, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 34, 1914.
Host: (?)
Localities: Ont., N. H., Mass., N. Y.

2827. **Aphalara alaskensis** Ashm.

Ashmead, Harriman Alaska Exped., viii, p. 136, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 35, 1914 (figures).
Host: (?)
Localities: Colo., Wash., Alaska.

2828. **Aphalara schwarzi** Ashm.

Ashmead, Harriman Alaska Exped., viii, p. 135, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 36, 1914 (noticed).
Aphalara sp. Schwarz, Proc. Wash. Acad. Sci., ii, p. 539, 1900.
Host: (?)
Locality: Alaska.

2829. **Aphalara nebulosa** (Zett.)

Zetterstedt, Fauna Lapp., p. 551, 1828, *Chermes.*
Zetterstedt, Ins. Lapp., column 307, 1840, *Chermes.*
Reuter, Medd. Soc. Fauna Flora Fenn., i, pp. 73, 77, 1876.
Löw, Verh. Zool.-Bot. Ges. Wien, xxix, p. 566, 1879.
Reuter, Ent. Tidskr., ii, p. 152, 1881 (in Swedish).

Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 283, 1882.
Scott, Ent. Mo. Mag., xviii, p. 275, 1882; xix, pp. 14, 42, 1882.
Edwards, Hemip. Homop. Brit. Isds., p. 231, pl. 26, fig. 3, 1896.

a. var. **kincaidi** Ashm.
Ashmead, Harriman Alaska Exped., viii, p. 136, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 36, 1914 (figures).
americana Crawford, Pomona Jl. Ent., iii, p. 503, 1911 (as variety).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 219, 1912 (noticed).
Host: Epilobium.
Localities: Colo., Calif., Wash., Alaska.
[The typical form European, not yet found here.]

Subgenus **Anomocera** Crawf.
Orthotype *minutissima* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 36, 1914.

2830. **Aphalara minutissima** Crawf.
Crawford, Pomona Jl. Ent., iii, p. 500, 1911 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 37, 1914 (figures).
Host: Artemisia.
Localities: Neb., Utah, Nev., Calif.

2831. **Aphalara anomala** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 37, 1914.
Host: (?)
Locality: Calif.

Genus **Aphalaroida** Crawf.
Orthotype *pithecolobia* Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 38, 1914.

2832. **Aphalaroida pithecolobia** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 39, 1914 (figures).
Host: Pithecolobium.
Locality: Texas.

2833. **Aphalaroida spinifera** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 40, fig. 399, 1914.
Hosts: Prosopis, Phorodendron.
Localities: Ariz., Calif.

2834. **Aphalaroida prosopis** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 40, fig. 404, 1914.
Host: Prosopis.
Locality: Ariz.

2835. **Aphalaroida inermis** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 41, fig. 398, 1914.
Hosts: Prosopis, Mimosa.
Localities: Texas, Ariz., Calif.

2836. **Aphalaroida acaciae** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 41, fig. 397, 1914.
Hosts: Acacia, Phorodendron.
Localities: Texas, Calif.

Subfamily PAUROPSYLLINAE Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 42, 1914.

Genus **Paurocephala** Crawf.
Orthotype *psylloptera* Crawf.

Crawford, Phil. Jl. Sci., viii, sec. D, p. 293, 1913.
Crawford, U. S. Natl. Mus., Bul. 85, p. 42, 1914.

2837. **Paurocephala ilecis** (Ashm.)

Ashmead, Can. Ent., xiii, p. 225, 1883, *Psylla*.
Riley, Proc. Biol. Soc. Wash., ii, p. 69, 1884, *Aphalara* (*ilicis*).
Crawford, Pomona Jl. Ent., iii, p. 632, 1911, *Psyllopa* (*ilicis*).
Crawford, U. S. Natl. Mus., Bul. 85, p. 43 (figures), 1914 (*ilicis*).
Host: Ilex.
Localities: Ga., Fla.

Genus **Heteropsylla** Crawf.
Orthotype *texana* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 44, 1914.

2838. **Heteropsylla texana** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 45, 1914 (figures).
Hosts: Pithecolobium, Sphaeralcea, Monarda, Chrysopsis, Acacia, Tamarix, Celtis, Prosopis.
Localities: Kans., Colo., Texas, Ariz.

2839. **Heteropsylla mimosae** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 48, 1914.
Host: Mimosa.
Locality: Texas.

Genus **Calophya** Löw
Haplotype *rhois* Löw

Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 598, 608, 1878.
Schwarz, Proc. Ent. Soc. Wash., vi, p. 240, 1904.
Kieffer, Ann. Soc. Sci. Bruxelles, xxix, p. 162, 1905.
Crawford, U. S. Natl. Mus., Bul. 85, p. 49, 1914.

2840. **Calophya californica** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 242, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 50, 1914 (figures).
Host: Rhus integrifolia.
Locality: Calif.

2841. **Calophya flavida** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 243, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 50, fig. 419, 1914.
Host: Rhus glabra.
Localities: Mass., D. C., Mo.

2842. **Calophya dubia** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 51, fig. 420, 1914.
Host: (?)
Locality: Colo.

2843. **Calophya triozomina** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 241, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 52, 1914 (figures).

a. var. **claripennis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 52, 1914.
Host: Rhus trilobata.
Localities: Colo., Ariz., Calif.

2844. **Calophya nigripennis** Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 69, 1884 (n.n. for *rhois* Glover).
Schwarz, Proc. Ent. Soc. Wash., vi, p. 244, 1904 (described).
Crawford, U. S. Natl. Mus., Bul. 85, p. 53, 1914 (figures).
†*rhois* Glover, U. S. Dept. Agr., Rept. for 1876, p. 33, 1877, *Psylla.*
Host: Rhus copallina.
Localities: Pa., D. C., Va., N. C., Ga.

[**Calophya vitreipennis** Riley MS]

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (name only).
Locality: Ariz.

Subfamily CHERMINAE Van D.

Van Duzee, Check List Hemip., p. 86, 1916 (n.n. for *Carsidarinae* Crawf.).
Prionocnemidae Scott, Trans. Ent. Soc. Lond. for 1882, p. 466.
Scott, Proc. Linn. Soc. N. S. Wales, xxvi, p. 286, 1901, *Prionocneminae.*
Kieffer, Zeit. f. Wissen. Ins. Biol., ii, p. 387, 1906, *Prionocneminae.*
Phacosemini Kieffer, Zeit. f. Wissen. Ins. Biol., ii, p. 387, 1906.
Carsidarinae Crawford, Pomona Jl. Ent., iii, p. 481, 1911 (n.n. for *Prionoc-*
Crawford, U. S. Natl. Mus., Bul. 85, pp. 18, 53, 1914. [*nemidae* Scott).
Ciriacreminae Aulmann, Psyllid. Cat., p. 79, 1913 (part).

Genus **Rhinopsylla** Riley
Haplotype *schwarzii* Riley

Riley, Proc. Biol. Soc. Wash., ii, p. 77, 1884.
Crawford, Pomona Jl. Ent., iii, pp. 440, 483, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 59, 1914.

2845. **Rhinopsylla schwarzii** Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 77, 1884.
Crawford, Pomona Jl. Ent., iii, p. 441, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 59, 1914.
Host: (?)
Locality: Fla

2846. **Rhinopsylla athenae** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 60, 1914 (figures).
Host: (?)
Locality: Ga.

2847. **Rhinopsylla antennata** Crawf.

Crawford, Pomona Jl. Ent., ii, p. 229, 1910; iii, pp. 441, 491, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 61, 1914 (figures).

a. var. **proxima** Crawf.
Crawford, Pomona Jl. Ent., iii, p. 491, 1911 (name only).
Crawford, U. S. Natl. Mus., Bul. 85, p. 62, 1914.
Host: (?)
Locality: Colo.

Subfamily TRIOZINAE (Put.)

Puton, Cat. Hémip. Palae., edn. 2, p. 91, 1875, *Triozaria.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 605, 609, 1879.
Puton, Cat. Hémip. Palae., edn. 3, p. 93, 1886, *Triozaria.*
Edwards, Hemip. Homop. Brit. Isds., p. 250, 1896, *Triozidae.*
Kuwayama, Trans. Sapporo Nat. Hist. Soc., iii, p. 53, 1908.
Crawford, Pomona Jl. Ent., ii, pp. 228, 347, 1910; iii, p. 422, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 64, 1914.

Genus **Kuwayama** Crawf.
Orthotype *medicaginis* Crawf.

Crawford, Pomona Jl. Ent., iii, p. 503, 1911 (n.n. for *Epitrioza* Crawf.).
Crawford, U. S. Natl. Mus., Bul. 85, p. 65, 1914.
‖*Epitrioza* Crawford, Pomona Jl. Ent., iii, p. 452, 1911.

2848. **Kuwayama medicaginis** (Crawf.)

Crawford, Pomona Jl. Ent., ii, p. 229, 1910, *Paratrioza.*
Crawford, Pomona Jl. Ent., iii, p. 452, 1911, *Epitrioza.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 66, 1914 (figures).
Host: Medicago.
Localities: N. Mex. (not Colo.), Calif.

2849. **Kuwayama dorsalis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 67, fig. 415, 1914.
Host: (?)
Locality: Ariz.

Genus **Leuronota** Crawf.
Orthotype *maculata* (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 67, 1914.

2850. **Leuronota maculata** (Crawf.)

Crawford, Pomona Jl. Ent., ii, p. 349, 1910, *Trioza.*
Crawford, Pomona Jl. Ent., iii, p. 446, 1911, *Allotrioza* (mention).
Crawford, U. S. Natl. Mus., Bul. 85, p. 68, 1914 (figures).
Hosts: Condalia, Colubrina.
Localities: Texas, Ariz.

2851. **Leuronota longipennis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 69, 1914 (figures).
Host: (?)
Locality: Fla.

Genus **Paratrioza** Crawf.
Logotype *ocellata* Crawf. = *cockerelli* (Sulc.)

Crawford, Pomona Jl. Ent., ii, pp. 228, 229, 1910.
Crawford, Pomona Jl. Ent., iii, p. 446, 1911 (names *ocellata* type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 70, 1914. [*arbolensis* Crawf.).
Allotrioza Crawford, Pomona Jl. Ent., iii, pp. 423, 442, 1911 (orthotype

2852. **Paratrioza cockerelli** (Sulc.)

Sulc, Acta Soc. Ent. Bohemiae, vi, p. 102, 1909, *Trioza.*
Crawford, Pomona Jl. Ent., iii, p. 448, 1911.
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 231, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 71, 1914 (figures).
pulchella Crawford, Pomona Jl. Ent., ii, p. 229, 1910.
ocellata Crawford, Pomona Jl. Ent., ii, p. 229, 1910; iii, pp. 447, 628, 1911.
nigra Crawford, Pomona Jl. Ent., iii, p. 448, 1911.
flava Crawford, Pomona Jl. Ent., ii, p. 229, 1910; iii, p. 448, 1911.
Hosts: Capsicum, Solanum, Purshia, Thuja, Picea, Pinus, Medicago.
Localities: Colo., Utah, N. Mex., Ariz., Calif.

2853. **Paratrioza arbolensis** Crawf.

Crawford, Pomona Jl. Ent., ii, p. 229, 1910.
Crawford, Pomona Jl. Ent., iii, p. 444, 1911, *Allotrioza.*
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 231, 1912, *Allotrioza* (mention).
Crawford, U. S. Natl. Mus., Bul. 85, p. 72, 1914 (figures).
Host: Shepherdia.
Locality: Colo.

2854. **Paratrioza maculipennis** (Crawf.)

Crawford, Pomona Jl. Ent., ii, pp. 230, 237, 1910, *Trioza.*
Crawford, Pomona Jl. Ent., iii, p. 450, fig. 153, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 73, fig. 392, 1914.
Hosts: Ceanothus, Convolvulus.
Locality: Calif.

Genus **Trioza** Först.
Logotype *urticae* (Linn.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 67, 1848.
Flor, Rhyn. Livl., ii, p. 484, 1861.
Frauenfeld, Verh. Zool.-Bot. Ges. Wien, xvii, p. 804, 1867 (venation figured).
Scott, Trans. Ent. Soc. Lond. for 1876, p. 551.
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, p. 609, 1879.
Edwards, Hemip. Homop. Brit. Isds., p. 253, 1896. [Am. species.)
Crawford, Pomona Jl. Ent., ii, p. 229, 1910; iii, p. 423, 1911. (Keys to
Oshanin, Kat. Palae. Hemip., p. 128, 1912 (names *urticae* type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 74, 1914. (Key.) [nudum).
Phylloplecta Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen

2855. **Trioza bakeri** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 230, 235, figs. 98, 99, 1910; iii, p. 424, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 77, 1914.
montana Crawford, Pomona Jl. Ent., iii, p. 631, 1911.
Host: Pinus.
Locality: Calif.

2856. **Trioza breviantennata** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 78, 1914 (figures).
Host: (?)
Locality: Calif.

2857. **Trioza diospyri** (Ashm.)

Ashmead, Can. Ent., xiii, p. 222, fig. 12, 1881, *Psylla.*
Riley, Proc. Biol. Soc. Wash., ii, p. 70, 1884 (mention).

Forbes, 14th Rept. Ill. St. Ent., p. 99, 1885.
Crawford, Pomona Jl. Ent., ii, p. 352, 1910 (figures).
Smith, Cat. Ins. N. J., edn. 3, p. 110, 1910.
Crawford, Pomona Jl. Ent., iii, p. 424, 1911.
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 226, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 78, 1914 (figures).
latipennis Crawford, Pomona Jl. Ent., ii, p. 230, 1910.
Host: Diospyros.
Localities: Va., Ga., Fla., Texas.

2858. **Trioza collaris** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 229, 347, 1910 (figures).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 225, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 81, 1914 (figures).
Host: (?)
Locality: Calif.

2859. **Trioza longistylus** Crawf.

Crawford, Pomona Jl. Ent., ii, p. 233, 1910; iii, pp. 424, 434, 1911 (figures).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 227, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 82, 1914 (figures).
Host: (?)
Locality: Colo.

2860. **Trioza quadripunctata** Crawf.

Crawford, Pomona Jl. Ent., ii, p. 233, 1910; iii, pp. 425, 433, 1911 (figures).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 229, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 82, 1914 (figures).
Host: (?)
Localities: N. Y., Colo., Mont., Calif.

2861. **Trioza albifrons** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 231, 355, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 426, 438, 1911 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 83, 1914 (figures).
rotundipennis Crawford, Pomona Jl. Ent., ii, pp. 231, 236, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 425, 427, 1911 (figures).
Host: Urtica.
Localities: Mont., Calif.

2862. **Trioza urticae** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 454, 1758, *Chermes.*
Linnaeus, Fauna Suec., edn. 2, p. 263, No. 1006, 1761, *Chermes.*
Linnaeus, Syst. Nat., edn. 12, ii, p. 738, 1767, *Chermes.*
DeGeer, Mémoires, iii, p. 134, pl. 9, figs. 17, 18, 19, 1773, *Chermes.*
Fabricius, Syst. Ent., p. 741, 1775, *Chermes.*
Goeze, Ent. Beytr., ii, p. 322, 1778, *Chermes.*
Fabricius, Spec. Ins., ii, p. 391, 1781, *Chermes.*
Retzius, Genera et. Spec. Ins., p. 79, 1783, *Chermes.*
Fabricius, Mant. Ins., ii, p. 318, 1787, *Chermes.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2212, 1788, *Chermes.*
Fabricius, Ent. Syst., iv, p. 222, 1894, *Chermes.*
Fabricius, Syst. Rhyng., p. 304, 1803, *Chermes.*

Zetterstedt, Fauna Lapp., 1828, *Chermes.*
Burmeister, Handb. d. Ent., ii, p. 98, 1835, *Psylla.*
Zetterstedt, Ins. Lapp., column 308, 1840, *Chermes.*
Blanchard, Hist. Nat. des Ins., Hémip., p. 202, 1840, *Psylla.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 82, 1848.
Walker, List Homop., iv, p. 924, 1852.
Flor, Rhyn. Livl., ii, p. 505, 1861.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 386, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 553, pl. 9, fig. 2.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 141, 1877.
Scott, Ent. Mo. Mag., xvii, p. 278, 1880.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 253, 1882; xxxviii, p. 23, 1888.
Edwards, Hemip. Homop. Brit. Isds., p. 256, 1896.
Crawford, U. S. Natl. Mus., Bul. 85, p. 84, 1914 (notice).

eupoda Hartig *in* Germar's Zeit. f. Ent., iii, p. 374, 1841, *Psylla.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 82, 1848.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 389, 1871.

protensa Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 82, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 389, 1871.

forcipata Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 84, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 389, 1871.

crassinervis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 83, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 387, 1871.

bicolor Meyer–Dür, Mitth. Schw. Ent. Ges., iii, pp. 389, 391, 1871.
Host: Urtica.
Localities: "E. St." (Europe.)

2863. **Trioza frontalis** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 230, 353, 1910 (figures); iii, p. 426, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 84, 1914 (figures).

similis Crawford, Pomona Jl. Ent., ii, pp. 231, 352, 1910 (figures).

fovealis Crawford, Pomona Jl. Ent., ii, p. 233, 1910. [*similis*).
Crawford, Pomona Jl. Ent., iii, pp. 426, 438, 1911 (figures; as var. of

a. var. **sulcata** Crawf.
Crawford, U. S. Natl. Mus., Bul. 85, p. 85, 1914.
Host: Amelanchier.
Localities: Colo., Calif.

2864. **Trioza albiventris** Först.

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 84, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 388, 1871.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 558, pl. 9, fig. 5.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 138, 1877; xxix, p. 582, 1879.
Löw, Wien, Ent. Zeit., i, p. 214, 1882.
Edwards, Hemip. Homop. Brit. Isds., p. 254, pl. 28, fig. 9, 1896.

sanguinosa Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 85, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 388, 1877.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 138, 1877.

vitreipennis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 98, 1848.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 388, 1877.

hypoleuca Thomson, Opusc. Ent., viii, p. 828, 1877.
Hosts: Salix, Betula, Pinus.
Localities: "S. St." (Europe.)

2865. **Trioza obtusa** Patch

Patch, Me. Agr. Exp. Sta., Bul. 187, p. 18, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 85, 1914.
Host: Amelanchier.
Localities: Me., Md., D. C.

2866. **Trioza lobata** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 86, 1914 (figures).
Host: Ceanothus.
Localities: Ariz., Calif.

2867. **Trioza tripunctata** (Fh.)

Fitch, Homop. N. Y. St. Cab., p. 64, 1851, *Psylla.*
Thomas, 8th Rept. Ill. St. Ent., p. 18, 1879, *Psylla.*
Riley, Am. Ent., iii, p. 62, note, 1880, *Psylla.*
Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884, *Phylloplecta* (mention).
Riley, Proc. Biol. Soc. Wash., ii, p. 70, 1884 (mention).
Löw, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 163, 1888 (synonomy).
Riley *in* Lintner, 9th Rept. N. Y. St. Ent., p. 411, 1893 (mention).
Mally, Proc. Ia. Acad. Sci., ii, p. 154, 1895 (mention).
Van Duzee, 20th Rept. N. Y. St. Ent., p. 556, 1905.
Smith, Cat. Ins. N. J., edn. 3, p. 110, 1910.
Crawford, Pomona Jl. Ent., ii, pp. 231, 232, 1910; iii, pp. 424, 429, 430, 1911
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 230, 1912. [(figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 87, 1914 (figures).
rubi Walsh and Riley, Am. Ent., i, p. 225, 1869, *Psylla.*
Thomas, 8th Rept. Ill. St. Ent., p. 17, 1879, *Psylla.*
Fuller, Am. Ent., iii, p. 62, 1880, *Psylla.* [*Psylla.*
§*tripuncta* Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 805, 1890,
Hosts: Rubus, Pinus.
Localities: Ont., Me., N. H., N. Y., N. J., D. C., Va., Fla.
[This is not *Trioza tripunctata* Löw, 1877]

2868. **Trioza arizonae** Aulm.

Aulmann, Ent. Rundsch., xxix, p. 144, 1912 (n.n. for *marginata* Crawf.).
Aulmann, Psyllid. Cat., p. 39, 1913.
Crawford, U. S. Natl. Mus., Bul. 85, p. 88, 1914 (figures).
‖*marginata* Crawford, Pomona Jl. Ent., ii, pp. 232, 356, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 424, 427, 1911.
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 228, 1912 (figures).
Host: (?)
Locality: Ariz.

2869. **Trioza maura** Först.

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 94, 1848.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 387, 1871.
Löw, Wien. Ent. Zeit., i, p. 214, 1882.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 242, 1882.
Sulc, Sitz-Ber. Bohm. Ges. Wissen., v, p. 10, 1911 (figures).

Patch, Me. Agr. Exp. Sta., Bul., p. 228, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 89, 1914 (figures).
helvetina Meyer-Dür, Mitth. Schw. Ent. Ges., iii, pp. 388, 391, 1871.
nigrifrons Crawford, Pomona Jl. Ent., ii, pp. 230, 351, 1910 (figures).
fulvida Crawford, Pomona Jl. Ent., ii, pp. 231, 358, 1910 (figures).
‖*similis* Crawford, Pomona Jl. Ent., ii, pp. 231, 359, 1910 (as var. of *fulvida*).
aurantiaca Crawford, Pomona Jl. Ent., ii, pp. 231, 360, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 426, 428, 628, 1911.
‖*frontalis* Crawford, Pomona Jl. Ent., ii, p. 232, 1910 (as var. of *aurantiaca*).
Host: Salix.
Localities: Ill., Colo., Utah, N. Mex., Nev., Calif., Ore., Wash. (Europe.)

2869¼. **Trioza forcipula** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 227, 1912.
Host: Ulmus.
Localities: Ont., N. Y., Colo.

2869½. **Trioza pyrifoliae** Forbes

Forbes, 14th Rept. Ill. St. Ent., p. 98, 1885.
Mally, Proc. Ia. Acad. Sci., ii, p. 154, 1895 (mention).
Host: Pyrus.
Locality: Ill.

2870. **Trioza nigrilla** Crawf.

Crawford, Pomona Jl. Ent., iii, p. 503, 1911 (n.n. for *nigra* Crawf.).
‖*salicis* Mally, Proc. Ia. Acad. Sci., ii, p. 161, 1895.
Crawford, Pomona Jl. Ent., iii, pp. 426, 428, 432, 1911 (figures).
Aulmann, Psyllid. Cat., p. 53, 1913 (listed).
Crawford, U. S. Natl. Mus., Bul. 85, p. 91, 1914 (figures).
Van Duzee, Check List Hemip., p. 86, No. 2870, 1916.
minuta Crawford, Pomona Jl. Ent., ii, p. 232, 1910.
Crawford, Pomona Jl. Ent., iii, pp. 425, 427, 432, 1911 (figures).
‖*assimilis* Crawford, Pomona Jl. Ent., ii, p. 233, 1910.
Crawford, Pomona Jl. Ent., iii, pp. 426, 429, 438, 1911 (figures).
‖*nigra* Crawford, Pomona Jl. Ent., ii, pp. 232, 258, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 427, 428, 1911. [*minuta* Crawf.).
‖*similis* Crawford, Pomona Jl. Ent., iii, pp. 425, 427, 433, 1911 (as var. of *flori* Crawford, Pomona Jl. Ent., iii, p. 503, 1911 (n.n. for *assimilis* Crawf.).
dubia Patch, Me. Agr. Exp. Sta., Bul. 202, p. 226, 1912.
pomonae Aulmann, Ent. Rundsch., xxix, p. 144, 1912 (n.n. for *assimilis* Aulmann, Psyllid. Cat., p. 51, 1913 (listed). [Crawf.).
louisianae Aulmann, Ent. Rundsch., xxix, p. 144, 1912 (n.n. for *nigra* Aulmann, Psyllid. Cat., p. 48, 1913 (listed). [Crawf.).
Host: Salix.
Localities: D. C., Ia., Colo., Nev. Calif. Wash.

2871. **Trioza varians** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 231, 361, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 425, 427, 628, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 91, 1914 (figures).
Host: Salix.
Localities: Colo., Utah, Calif., Albta., Brit. Col.

2872. **Trioza longicornis** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 231, 359, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, pp. 425, 427, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 92, 1914 (figures).
Host: (?)
Locality: Vanc. Isd.

2873. **Trioza stylifera** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 229, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 93, 1914 (figures).
Host: (?)
Locality: Ont.

2874. **Trioza alymeriae** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 225, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 93, 1914.
Host: Vaccinium(?) ("Bilberry").
Locality: Quebec.

2875. **Trioza alacris** Flor

Flor, Bul. Soc. Imp. Nat. Moscou, xxxiv, pp. 380, 386, 393, 398, 1861.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 230, 1882; xxxvi, p. 166, 1886.
Thomas, Zeit. f. Pflanzenkr., viii, p. 92, 1891.
Dickel, Zeit. f. Wissen. Ins. Biol., i, p. 402, 1905.
Sulc, Sitz.-Ber. Kon. Böhm. Ges. Wissen. Prag, xix, p. 49, 1912.
Crawford, Bul. Calif. St. Comm. Hort., i, p. 86, 1912.
Crawford, U. S. Natl. Mus., Bul. 85, p. 94, 1914 (figures).
Essig, Inj. Benif. Ins. Calif., edn. 2, p. 68, 1915.
Weiss, Can. Ent., xlix, p. 73, 1917. [(nomen nudum).
lauri, Targioni-Tozetti, Resoc. Soc. Ent. Ital. (Atti xi), p. 19, 1879
Host: Laurus.
Localities: N. J., Calif. (Europe.)

2876. **Trioza viridis** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 230, 350, 1910 (figures).
Crawford, Pomona Jl. Ent., iii, p. 446, 1911, *Allotrioza* (mention).
Crawford, U. S. Natl. Mus., Bul. 85, p. 95, 1914 (figures).
Host: (?)
Locality: Calif.

2877. **Trioza magnoliae** (Ashm.)

Ashmead, Can. Ent., xiii, p. 224, 1881, *Psylla*.
Riley, Proc. Biol. Soc. Wash., ii, p. 70, 1884 (mention).
Crawford, Pomona Jl. Ent., ii, p. 228, 1910 (mention).
Crawford, Pomona Jl. Ent., iii, p. 445, 1911, *Allotrioza* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 96, 1914 (figures).
Host: Magnolia.
Localities: Ga., Fla.

[**Trioza sanguinosa** Riley MS]

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884.
§*sanguinea* Aulmann, Psyllid. Cat., p. 54, 1913.
Host: Pinus.
Locality: (?)

Genus **Neotriozella** Crawf.
Orthotype *immaculata* Crawf.

Crawford, Pomona Jl. Ent., iii, p. 503, 1911 (n.n. for *Neotrioza* Crawf.).
Crawford, U. S. Natl. Mus., Bul. 85, p. 98, 1914.
‖*Neotrioza* Crawford, Pomona Jl. Ent., iii, pp. 423, 450, 1911.

2878. **Neotriozella immaculata** (Crawf.)

Crawford, Pomona Jl. Ent., ii, p. 233, 1910, *Trioza*.
Crawford, Pomona Jl. Ent., iii, p. 450, 1911, *Neotrioza* (figures); p. 503, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 98, 1914 (figures).
ottawanensis Patch, Me. Agr. Exp. Sta., Bul. 202, p. 231, 1912.
Host: Pinus.
Localities: Ont., Nov. Scot., D. C., Ill., Ia.

2879. **Neotriozella sculptoconus** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 99, 1914.
Host: (?)
Locality: Calif.

2880. **Neotriozella laticeps** (Crawf.)

Crawford, Pomona Jl. Ent., ii, p. 233, 1910, *Trioza*.
Crawford, Pomona Jl. Ent., iii, p. 451, 1911, *Neotrioza* (figures); p. 503, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 100, 1914 (figures).
Host: (?)
Locality: La.

Genus **Ceropsylla** Riley
Haplotype *sideroxyli* Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 76, 1884 (described).
Crawford, Pomona Jl. Ent., ii, p. 229, 1910; iii, p. 423, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 100, 1914. [Crawf.).
Triozoida Crawford, Pomona Jl. Ent., iii, p. 491, 1911 (orthotype *johnsoni*

2881. **Ceropsylla sideroxyli** Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 76, 1884 (described).
Crawford, U. S. Natl. Mus., Bul. 85, p. 101, 1914 (figures).
Host: Sideroxylon.
Locality: Fla.

2882. **Ceropsylla californica** Crawf.

Crawford, Pomona Jl. Ent., ii, pp. 232, 234, 1910, *Trioza* (figures).
Crawford, Pomona Jl. Ent., iii, pp. 423, 427, 1911, *Trioza;* p. 492, 1911,
Crawford, U. S. Natl. Mus., Bul. 85, p. 102, 1910. [*Triozoida.*
Host: Salix.
Localities: Colo., Calif.

Genus **Hemitrioza** Crawf.
Orthotype *sonchi* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 104, 1914.

2883. **Hemitrioza sonchi** Crawf.

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884, *Trioza* (nomen nudum).
Aulmann, Psyllid. Cat., p. 55, 1913 (nomen nudum).
Crawford, U. S. Natl. Mus., Bul. 85, p. 104, fig. 402, 1914 (described).
Host: Sonchus.
Localities: D. C., Va., Ga.

Subfamily PSYLLIINAE Van D.

Van Duzee, Check List Hemip., p. 87, 1916 (n.n. for *Psyllinae* Put.).
Psyllaria Puton, Cat. Hemip. d'Eur. et Méd., p. 91, 1875.
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 605, 607, 1878, *Psyllinae.*
Edwards, Hemip. Homop. Brit. Isds., p. 233, 1896, *Psyllidae.*
Oshanin, Verz. Palae. Hemip., ii, p. 349, 1907, *Psyllaria.*
Oshanin, Kat. Palae. Hemip., p. 126, 1912, *Psyllaria.* (Tribe.)
Aulmann, Psyllid. Cat., p. 5, 1913, *Psyllinae.*
Crawford, U. S. Natl. Mus., Bul. 85, pp. 18, 105, 1914, *Psyllinae.*

TRIBE *PACHYPSYLLINI* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 106, 1914.

Genus **Crawfordiella** Van D.
Orthotype *mira* Crawf.

Van Duzee, Check List Hemip., p. 87, 1916 (n.n. for *Uhleria* Crawf.).
‖*Uhleria* Crawford, U. S. Natl. Mus., Bul. 85, p. 106, 1914.

2884. **Crawfordiella mira** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 107, 1914, *Uhleria* (figures).
Van Duzee, Check List Hemip., p. 87, 1916.
Host: (?)
Locality: "U. S."(?).

Genus **Tetragonocephala** Crawf.
Orthotype *flava* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 107, 1914.

2885. **Tetragonocephala flava** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 108, 1914 (figures).
Host: (?)
Locality: Texas.

Genus **Pachypsylla** Riley
Logotype *venusta* (O.-S.)

Riley, Can. Ent., xv, p. 157, 1883 (described).
Riley, Proc. Biol. Soc. Wash., ii, p. 71, 1884 (indicates *venusta* as typical).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 614, 1890 (monograph, [names *venusta* type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 108, 1914.

Subgenus **Pachypsylla** Riley

Van Duzee, Check List Hemip., p. 87, 1916.

2886. **Pachypsylla venusta** (O.-S.)

Osten-Sacken, Stet. Ent. Zeit., xxii, p. 422, 1861, *Psylla.*
Riley, Can. Ent., xv, p. 157, fig. 6, 1883 (gall).
Riley, Proc. Biol. Soc. Wash., ii, p. 72, 1884 (redescribed). [*Pachypsylla*, sec. 1).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 615, 1890 (as type of

Riley, *in* Packard, 5th Rept. U. S. Ent. Comm., pp. 616, 617, fig. 201, 1890
Beutenmuller, Bul. Am. Mus. Nat. Hist., iv, p. 274, 1892 (gall only). [(gall).
Townsend, Can. Ent., xxiv, p. 194, 1892.
Mally, Proc. Ia. Acad. Sci., i, pt. 4, p. 137, 1893.
Beutenmuller, Am. Mus. Jl., iv, p. 120, 1904.
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910.
Crawford, U. S. Natl. Mus., Bul. 85, p. 109, 1914 (figures). [(nomen nudum).
celtidis-grandis Riley, Johnson's Universal Cyclopedia, ii, p. 415, 1876
tridentata Patch, Me. Agr. Exp. Sta., Bul. 202, p. 224, 1912.
Host: Celtis.
Localities: N. J., Kans., Colo., Texas, N. Mex.

2887. **Pachypsylla celtidis-mamma** Riley

Riley, Johnson's Universal Cyclopedia, ii, p. 415, 1876 (nomen nudum).
Fyles, Can. Ent., xiv, p. 198, 1882 (gall mite without name).
Riley, Can. Ent., xv, p. 158, fig. 7, 1883 (gall only).
Fletcher, 13th Rept. Ent. Soc. Ont., p. 79, 1883, *Psylla*.
Riley, Proc. Biol. Soc. Wash., ii, p. 73, 1884 (described).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 615 (as type of *Pachypsylla* [sec. 2; p. 619, 1890 (described).
Beutenmuller, Bul. Am. Mus. Nat. Hist., iv, p. 275, 1892 (gall only).
Mally, Proc. Ia. Acad. Sci., i, pt. 4, p. 131, 1893 (life history, variations in
Cook, Ohio Nat., iii, p. 426, 1903. [gall).
Cook, Ind. Dept. Geol., 29th Rept., p. 844, 1904.
Stough, Kans. Univ. Sci. Bul., v, p. 121, 1910 (anatomy).
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910.
Crawford, U. S. Natl. Mus., Bul. 85, p. 110, 1914 (figures).
Weiss, Ent. News, xxvii, p. 163, 1916 (mention). [(name only).
?celtidis-asteriscus Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 618, 1890 (gall de- [scribed).
?celtidis-umbillicus Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 [(name only).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 619, 1884 (gall de- [scribed.
?celtidis-pubescens Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 [(name only).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 620, 1884 (gall de- [scribed.
?celtidis-globulus Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 621, [1890 (gall described).
Aulmann, Psyllid. Cat., p. 30, 1913 (spelled *globulosus*).
?celtidis-curcurbita Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 [(name only).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., pp. 621, 622, 1890 (gall [described).
Beutenmuller, Bul. Am. Mus. Nat. Hist., iv, p. 276, 1892 (figures).
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910.
[These five "species" are nomina nuda in entomology and are meaningless in botany. Crawford is probably correct in placing them as synonyms of *c.-mamma*.]
Host: Celtis.
Localities: Ont., N. Y., N. J., Ind., Ia., Kans., Colo., Texas.

2888. **Pachypsylla rohweri** Ckl.

Cockerell, Ent. News, xxi, p. 180, 1910.
Host: Celtis.
Locality: Colo.

2889. **Pachypsylla celtidis-vesiculum** Crawf.

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (name only).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 618, 1890 (gall described).
Beutenmuller, Bul. Am. Mus. Nat. Hist., iv, p. 275, 1892 (gall).
Beutenmuller, Am. Mus. Jl., iv, p. 120, 1904 (gall).
Jarvis, 37th Rept. Ent. Soc. Ont., p. 65, 1906 (gall).
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910 (listed).
Crawford, U. S. Natl. Mus., Bul. 85, p. 112, 1913 (described and figured).
Host: Celtis.
Localities: N. Y., N. J., Ia.

Subgenus **Blastophysa** Riley
Haplotype *celtidis-gemma* Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 75, 1884 (characterized).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 615, 1890 (3d section;; [names *c.-gemma* type).

2890. **Pachypsylla celtidis-gemma** Riley

Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884 (nomen nudum).
Riley, Proc. Biol. Soc. Wash., ii, p. 74, 1884 (described).
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 618, 1890.
Beutenmuller, Bul. Am. Mus. Nat. Hist., iv, p. 275, 1892.
Mally, Proc. Ia. Acad. Sci., i, pt. 4, p. 138, 1893.
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910.
Crawford, U. S. Natl. Mus., Bul. 85, p. 112, 1914 (figures).
Host: Celtis.
Localities: N. Y., D. C., Va., Ia., Mo., La., Texas.

2891. **Pachypsylla dubia** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 224, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 113, 1914.
Host: Celtis.
Locality: N. Y.(?).

2892. **Pachypsylla pallida** Patch

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 225, 1912 (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 113, 1914.
Host: Celtis.
Locality: Ariz.

2893. **Pachypsylla interneris** Mally

Mally, Proc. Ia. Acad. Sci., i, pt. 4, p. 138, 1893.
Crawford, U. S. Natl. Mus., Bul. 85, p. 113, 1914.
Host: Celtis.
Locality: Ia.

[**Pachypsylla celtidis-minuta** Riley MS]

Mally, Proc. Ia. Acad. Sci., i, pt. 4, p. 137, 1893.
Host: Celtis.
Locality: Ia.

TRIBE *EUPHYLLURINI* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, pp. 106, 114, 1914.

Genus **Katacephala** Crawf.
Orthotype *grandiceps* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 114, 1914.

2894. **Katacephala grandiceps** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 114, 1914 (figures).
Host: (?)
Localities: Fla. (Bahamas.)

Genus **Euphyllura** Först.
Logotype *phillyrae* Först.

Förster, Verh. Natw. Ver. Preuss, Rheinl., v, p. 93, 1848.
Flor, Bul. Soc. Nat. Moscou, xxxiv, pp. 337, 416, 1861.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 380, 1871.
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, p. 607, 1878.
Schwarz, Proc. Ent. Soc. Wash., vi, p. 234, 1904. (Key.)
Crawford, U. S. Natl. Mus., Bul. 85, p. 115, 1914.

2895. **Euphyllura arctostaphyli** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 235, fig. 6, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 116, 1914 (figures).

a. var. **niveipennis** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 236, 1904.
Host: Arctostaphylos.
Localities: Wyo., Colo., Ariz., Calif., Wash.

2896. **Euphyllura arbuti** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 237, fig. 7, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 117, fig. 6, 1914.
Host: Arbutus menziezei.
Locality: Calif.

2897. **Euphyllura arbuticola** Crawf.

Crawford, U. S. Natl. Mus., Bul., 85, p. 118, 1914.
Host: Arbutus arizonica.
Locality: Ariz.

TRIBE *ARYTAININI* Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, pp. 106, 118, 1914.

Genus **Euphalerus** Schw.
Haplotype *nidifex* Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, p. 238, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 118, 1914.

2898. **Euphalerus nidifex** Schw.

Schwarz, Proc. Ent. Soc. Wash., vi, pp. 153, 239, fig. 8, 1904.
Crawford, U. S. Natl. Mus., Bul. 85, p. 119, 1914.
Host: Piscidia.
Localities: Fla. (Neotropical.)

2899. **Euphalerus rugipennis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 120, 1914 (figures).

a. var. **immaculatus** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 121, 1914.
Host: Ceanothus.
Localities: Ariz., Calif.

2900. **Euphalerus vermiculosus** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 121, 1914 (figures).
Host: Ceanothus.
Locality: Calif.

2901. **Euphalerus propinquus** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 122, 1914 (figures).
Host: Ceanothus.
Locality: Ariz.

Genus **Arytaina** Först.
Logotype *genistae* Latr.

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 67 (p. 69 Crawf.), 1848.
Oshanin, Kat. Palae. Hemip., p. 128, 1912 (names *genistae* type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 122, 1914.
‡*Arytaena* Scott, Trans. Ent. Soc. Lond. for 1876, p. 528.
Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 596, 609, 1878.
Edwards, Hemip. Homop. Brit. Isds., p. 250, 1896.
Kieffer, Ann. Soc. Sci. Bruxelles, xxix, p. 165, 1905.
‡*Ataenia* Thomson, Opusc. Ent., viii, p. 828, 1877 (as subgenus).
Psyllopa Crawford, Pomona Jl. Ent., iv, p. 684, 1912 (nomen nudum).

2902. **Arytaina robusta** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 123, 1914 (figures).
Host: Ceanothus.
Localities: Colo., Ariz., Calif., Wash.

2903. **Arytaina fuscipennis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 125, 1914 (figures).
Host: Ceanothus.
Localities: Colo., Nev., Calif.

2904. **Arytaina genistae** (Latr.)

Latreille, Hist. Nat. Crust. Ins., xii, p. 382, 1804, *Psylla.*
Guerin and Percheron, Genera des Ins., pt. 4, No. 8, pl. 4, 1835, *Psylla.*
Guerin, Icon. Règne Animal, p. 375, 1843, *Psylla.*
Burmeister, Zool. Handatlas, pl. 29, fig. 28, 1843; edn. 2, p. 139, pl. 31, fig. 28, [1860, *Psylla.*
Thomson, Opusc. Ent., viii, p. 828, 1877, *Ataenia.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 125, 1877; xxviii, p. 597, pl. 9, figs. [11, 12, 1878.
Scott, Ent. Mo. Mag., xvii, pp. 132, 1880 (young).
Löw, Verh. Zool.-Bot. Ges. Wien, xxxviii, p. 19, 1888 (food habits).
Edwards, Hemip. Homop. Brit. Isds., p. 250, pl. 27, fig. 7, 1896.
Sulc, Acta Soc. Ent. Bohemiae, ii, p. 4, 1905.
Crawford, U. S. Natl. Mus., Bul. 85, p. 125, 1914 (figures).
ulicis Curtis, Brit. Ent., xii, pl. 565, 1835, *Psylla.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 529, pl. 8, fig. 1.

spartii Hartig *in* Germar's Zeit. f. Ent., iii, p. 375, 1841, *Psylla.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 69, 1848.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 405, 1871.
magna Crawford, Pomona Jl. Ent., iii, p. 628, fig. 209, B. D., 1911, *Psyllopa.*
Hosts: Ulex, Sarothamnus, Spartium.
Localities: Mass. (Europe.)

2905. **Arytaina ribesiae** (Crawf.)

Crawford, Pomona Jl. Ent., iii, p. 630, 1911, *Psyllopa.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 126, 1914 (figures).
Hosts: Ribes, Ceanothus.
Localities: Colo., Utah, Ariz., Calif.

2906. **Arytaina assimilis** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 127, 1914 (figures).
Host: Ceanothus.
Locality: Calif.

2907. **Arytaina minuta** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 128, 1914 (figures).
Host: Ceanothus.
Locality: Calif.

2908. **Arytaina chelifer** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 128, 1914 (figures).
Host: Purshia.
Localities: Utah, Ariz.

2909. **Arytaina amorphae** (Mally)

Mally, Proc. Ia. Acad. Sci., ii, p. 159, 1895, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 129, 1914 (figures).
†*ulicis* Crawford, Pomona Jl. Ent., iv, p. 684, 1912.
floridensis Crawford, Pomona Jl. Ent., iii, p. 629, 1911, *Psyllopa.*
Host: Amorpha.
Localities: Ia., Neb.

2910. **Arytaina ceanothae** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 130, 1914 (figures).
Host: Ceanothus.
Locality: Calif.

2911. **Arytaina aculeata** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 131, 1914.
Host: Ceanothus.
Locality: Calif.

2912. **Arytaina pubescens** Crawf.

Crawford, U. S. Natl. Mus., Bul. 85, p. 131, 1914 (figures).
Host: Purshia.
Localities: Nev., Calif.

Genus **Psyllopsis** Löw
Logotype *fraxinicola* (Först.)

Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 587, 606, 1878.
Edwards, Hemip. Homop. Brit. Isds., p. 233, 1896.

Oshanin, Kat. Palae. Hemip., p. 126, 1912 (names *fraxinicolor* Först. type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 132, 1914.

2913. **Psyllopsis fraxinicola** (Först.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 73, 1848, *Psylla*.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, pp. 398, 399, 1871, *Psylla*.
Scott, Trans. Ent. Soc. Lond. for 1876, p. 544, pl. 8, fig. 4, *Psylla*.
Thomson, Opusc. Ent., viii, p. 829, 1877, *Psylla*.
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 138, 1877, *Psylla*; xxviii, p. 588, 1878.
Löw, Wien. Ent. Zeit., i, p. 211, 1882.
Edwards, Hemip. Homop. Brit. Isds., p. 234, 1896.
Smith, Cat. Ins. N. J., edn. 3, p. 108, 1910.
Felt, 26th Rept. N. Y. St. Ent., p. 39, 1911.
Crawford, U. S. Natl. Mus., Bul. 85, p. 132, 1914 (figures).
viridula Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 74, 1848, *Psylla*.
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 339, 1871, *Psylla*.
unicolor Flor, Rhyn. Livl., ii, p. 479, 1861, *Psylla*.
Flor, Bul. Soc. Nat. Moscou, xxxiv, pp. 340, 347, 353, 1861, *Psylla*.
chlorogenes Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 399, 1871, *Psylla*.
Hosts: Fraxinus, Corylus, Juglans.
Localities: N. Y., D. C., Calif. (Europe.)

TRIBE *PSYLLIINI* Van D.

Van Duzee, Check List Hemip., p. 88, 1916 (n.n. for *Psyllini* Crawf.).
Psyllini Crawford, U. S. Natl. Mus., Bul. 85, pp. 106, 134, 1914.

Genus **Psyllia** Kirk.
Logotype *pyri* (Linn.)

Kirkaldy, Wien. Ent. Zeit., xxiv, p. 268, 1905 (n.n. for *Psylla* Auct.).
Van Duzee, Check List Hemip., p. 88, 1916.
†*Psylla* Löw, Verh. Zool.-Bot. Ges. Wien, xxviii, pp. 600, 608, 1878.
Edwards, Hemip. Homop. Brit. Isds., p. 235, 1896.
Kieffer, Ann. Soc. Sci. Bruxelles, xxix, p. 164, 1905.
Oshanin, Verz. Palae. Hemip., ii, p. 350, 1907.
Oshanin, Kat. Palae. Hemip., p. 127, 1912 (names *pyri* Linn. type).
Crawford, U. S. Natl. Mus., Bul. 85, p. 135, 1914 (names *alni* Linn. type).

2914. **Psyllia fibulata** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 140, 1914, *Psylla* (figures).
Host: (?)
Locality: Colo.

2915. **Psyllia sinuata** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 140, 1914, *Psylla* (figures).
Host: (?)
Localities: Colo., Labrador(?).

2916. **Psyllia parallela** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 141, 1914, *Psylla*.
Host: (?)
Locality: Calif.

2917. **Psyllia maculata** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 141, 1914, *Psylla* (figures).
Host: (?)
Locality: Colo.

2918. **Psyllia breviata** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 220, 1912, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 141, fig. 133, 1914, *Psylla*.
Host: Pinus.
Localities: Ont., Mich., Calif.

2919. **Psyllia coryli** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 223, 1912, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 143, 1914, *Psylla*.
Host: Corylus(?).
Locality: Colo.

2920. **Psyllia minuta** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 142, 1914, *Psylla* (figures).
Host: Purshia.
Localities: Utah, Ariz., Nev., Calif.

2921. **Psyllia alba** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 143, 1914, *Psylla* (figures).
Host: Salix.
Localities: Texas, N. Mex., Nev., Calif.

2922. **Psyllia pyricola** (Först.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 77, 1848, *Psylla*.
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 396, 1871, *Psylla*.
Scott, Ent. Mo. Mag., xix, p. 205, 1883, *Psylla*.
Riley, Proc. Biol. Soc. Wash., ii, p. 69, 1884, *Psylla*.
Löw, Verh. Zool.-Bot. Ges. Wien, xxxvi, p. 156, 1886, *Psylla*.
Schwarz, Can. Ent., xxiii, p. 231, 1891, *Psylla*.
Riley(?), Insect Life, iv, pp. 127, 225, 1891, *Psylla* (transl. of Löw, 1886).
Slingerland, Insect Life, v, p. 100, 1892, *Psylla*.
Slingerland, Cornell Agr. Exp. Sta., Bul. 44, 1892; Bul. 108, 1896, *Psylla*.
Riley and Howard, Insect Life, v, pp. 200, 226, 1893, *Psylla*.
Lintner, 9th Rept. N. Y. St. Ent., p. 317, 1893, *Psylla* (bibliography).
Marlatt, Insect Life, vii, p. 175, 1894, *Psylla*.
Marlatt, U. S. Dept. Agr., Bur. Ent., Circ. 7, 1895, *Psylla*.
Edwards, Hemip. Homop. Brit. Isds., p. 240, pl. 27, fig. 2, 1896, *Psylla*.
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910, *Psylla*.
Patch, Me. Agr. Exp. Sta., Bul. 187, p. 11, 1911; Bul. 202, p. 221, 1912, *Psylla*.
Crawford, U. S. Natl. Mus., Bul. 85, p. 144, 1914, *Psylla* (figures).
Essig, Inj. Benef. Ins. Calif., edn. 2, p. 67, 1915, *Psylla*.
†*pyri* Curtis, Brit. Ent., xii, pl. 565, 1836, *Psylla*.
Curtis, Gardner's Chronicle for 1840, p. 156, *Psylla*.
Harris, Treat. Ins. Inj. Veg., edn. 2, p. 201, 1852, *Psylla*.
Fitch, Trans. N. Y. St. Agr. Soc., xvi, p. 353, 1856, *Psylla*.
Uhler, U. S. Comm. Patents, Rept. for 1860, p. 314, 1861, *Psylla*.
Harris, Treat. Ins. Inj. Veg., edn. 3, p. 231, 1862, *Psylla*.
Packard, Guide to Study of Ins., p. 531, 1869, *Psylla*.

Walsh and Riley, Am. Ent., i, p. 225, 1869, *Psylla.*
LeBaron, 2d Rept. Nox. Ins. Ill., p. 134, 1872, *Psylla.*
Thomas, 8th Rept. Ill. St. Ent., p. 16, 1879, *Psylla.*
Ashmead, Can. Ent., xiii, p. 220, 1881, *Psylla.*
Cooke, Inj. Ins. Orch. and Vineyard, p. 117, 1883, *Psylla.*
Riley, Proc. Am. Assoc. Adv. Sci., xxxii, p. 319, 1884, *Psylla.*
apiophila Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 78, 1848, *Psylla.*
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 396, 1871, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 137, 1877, *Psylla.*
notata Flor, Bul. Soc. Nat. Moscou, xxxiv, p. 365, 1861, *Psylla.*
†*pyrisuga* Barnard, Proc. Am. Assoc. Adv. Sci., xxviii, p. 478, 1880, *Psylla.*
†*simulans* Slingerland, Cornell Univ. Agr. Exp. Sta., Bul. 44, p. 174, 1892,
Host: Pyrus. [*Psylla* (winter form).
Localities: Me., Mass., Conn., N. Y., N. J., Md., Va., Ohio, Mich., Ill., Calif.(?).

2923. **Psyllia hartigi** (Flor)

Flor, Rhyn. Livl., ii, p. 469, 1861, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvii, p. 130, 1877; xxix, p. 577, 1880, *Psylla.*
Thomson, Opusc. Ent., viii, p. 838, 1877, *Chermes.*
Scott, Ent. Mo. Mag., xviii, p. 255, 1882, *Psylla* (listed).
Edwards, Hemip. Homop. Brit. Isds., p. 244, pl. 28, fig. 4, 1896, *Psylla.*
Sulc, Cas. Spol. Ent., ii, p. 3, 1905, *Psylla.*
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 222, 1912, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 146, 1914, *Psylla* (figures).
‖*sylvicola* Lethierry, Cat. Hémip., Dept. Nord, p. 90, 1874, *Psylla.*
Reuter, Medd. Soc. Fauna Flora Fenn., i, p. 73, 1876, *Psylla.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 539, *Psylla.*
Douglas, Ent. Mo. Mag., xiii, p. 68, 1876, *Psylla.*
Host: Metula.
Localities: Mo. (Europe.)

2923¼. **Psyllia saliceti** (Först.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 79, 1848, *Psylla.*
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 397, 1871, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien., xxvii, p. 132, pl. 6, fig. 4, 1877, *Psylla.*
Thomson, Opusc. Ent., viii, p. 839, 1877, *Chermes.*
Sulc, Wien. Ent. Zeit., xxviii, p. 15, 1909, *Psylla.*
Oshanin, Verz. Palae. Hemip., ii, p. 361, 1907; iii, p. 192, 1910, *Psylla.*
salicicola Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 72, 1848, *Psylla.*
Flor, Rhyn. Liv., ii, p. 467, 1861, *Psylla.*
Flor, Bul. Soc. Nat. Moscou, xxxiv, pp. 345, 348, 355, 1861, *Psylla.*
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 398, 1871, *Psylla.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 537, pl. 8, fig. 3, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvi, p. 198, pl. 1, figs. 6–9, pl. 2, figs.
Thomson, Opusc. Ent., viii, p. 839, 1877, *Chermes.* [23–25, 1876, *Psylla.*
Edwards, Hemip. Homop. Brit. Isds., p. 241, 1896, *Psylla.*
rufula Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 76, 1848, *Psylla.*
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 400, 1871, *Psylla.*
subgranulata Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 94, 1848,
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 400, 1871, *Psylla.* [*Psylla.*
Host: Salix.
Locality: Greenland. (Europe.)

2923½. **Psyllia ambigua** (Först.)

Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 79 (p. 74, Osh.), 1848, *Psylla.*
Meyer-Dür, Mitt. Schw. Ent. Ges., iii, p. 400, 1871, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxxii, p. 231, 1882, *Psylla.*
Edwards, Hemip. Homop. Brit. Isds., p. 244, 1896, *Psylla.*
Aulmann, Psyllid. Cat., p. 10, 1913, *Psylla* (listed).
insignis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 74, 1848, *Psylla.*
Meyer-Dür, Mitth. Schw. Ent. Ges., iii, p. 400, 1871, *Psylla.*
melina Flor, Rhyn. Livl., ii, p. 477, 1861, *Psylla.*
Flor, Bul. Soc. Nat. Moscou, xxxiv, p. 345, 1861, *Psylla.*
Kuwayama, Trans. Sapporo Nat. Hist. Soc., ii, pp. 162, 172, 1907, *Psylla.*
stenolabis Löw, Pet. Nouv. Ent., ii, p. 65, 1876, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvi, p. 144, pl. 6, fig. 10, 1877, *Psylla.*
Sulc, Sitz.-Ber. Bohm. Ges. Wissen. for 1909, No. 22, p. 25, *Psylla.*
annellata Thomson, Opusc. Ent., viii, p. 836, 1877, *Chermes.*
Host: Salix.
Localities: Greenland. (Europe.)

2924. **Psyllia quadrilineata** (Fh.)

Fitch, Homop. N. Y. St. Cab., p. 65, 1851, *Psylla.*
Thomas, 8th Rept. Ill. St. Ent., p. 18, 1879, *Psylla* (after Fitch).
?Provancher, Pet. Faune Ent. Can., iii, p. 305, 1890, *Psylla.*
Mally, Proc. Ia. Acad. Sci., ii, p. 153, 1893, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 148, 1914, *Psylla.*
Host: Salix.
Localities: Quebec, N. Y., Kans., Colo.

2924½. **Psyllia arctica** (Walk.)

Walker, List Homop., iv, p. 931, 1852, *Aphalara.*
Scott, Trans. Ent. Soc. Lond. for 1882, pl. 19, fig. 1, *Aphalara.*
Psylla sp., Schwarz, Proc. Wash. Acad. Sci., ii, p. 540, 1900.
Host: (?)
Localities: Hudson's Bay, Alaska.

2925. **Psyllia americana** (Crawf.)

Crawford, Pomona Jl. Ent., iii, p. 628, 1911, *Psylla* (nomen nudum).
Crawford, Pomona Jl. Ent., iv, p. 684, 1912, *Psylla* (mentioned). [figured)
Crawford, U. S. Natl. Mus., Bul. 85, p. 147, 1914, *Psylla* (described and

a. var. **minor** (Crawf.)
Crawford, U. S. Natl. Mus., Bul. 85, p. 147, 1914, *Psylla.*

b. var. **flava** (Crawf.)
Crawford, U. S. Natl. Mus., Bul. 85, p. 148, 1914, *Psylla.*
Host: Salix.
Localities: Colo., Utah, Calif., Ore., Brit. Col., Albta.

2926. **Psyllia ribis** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 222, 1912, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 148, 1914, *Psylla.*
Host: (?)
Localities: Me., Colo.

2927. **Psyllia borealis** Horv.

Horvath, Ann. Mus. Natl. Hung., vi, p. 568, 1908.
Host: (?)
Locality: Greenland.

2928. **Psyllia alaskensis** (Ashm.)

Ashmead, Harriman Alaska Exped., viii, p. 137, 1904, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 149, fig. 415, 1914, *Psylla*
Host: (?)
Locality: Alaska.

2929. **Psyllia magnicauda** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 149, 1914, *Psylla* (figures).
Host: (?)
Locality: Colo.

2930. **Psyllia striata** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 187, p. 14, 1911, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 150, 1914, *Psylla.*
Host: Betula.
Localities: Me., N. H., Wis., Colo., Calif.

2931. **Psyllia carpinicola** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 151 (figures), 1914, *Psylla* (n.n. for ‖*carpini* Fitch, Homop. N. Y. St. Cab., p. 64, 1851, *Psylla.* [*carpini* Fh.).
Thomas, 8th Rept. Ill. St. Ent., p. 18, 1879, *Psylla* (after Fitch).
Van Duzee, Can. Ent., xxxviii, p. 411, 1906; xl, p. 160, 1908, *Psylla.*
Host: Carpinus.
Localities: Quebec, N. Y., Wis., Ia., Nev.

2932. **Psyllia cephalica** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 151, 1914, *Psylla* (figures).
Hosts: Carpinus, Rubus.
Localities: N. Y., D. C., Wis., Ark., Texas.

2933. **Psyllia annulata** (Fh.)

Fitch, Homop. N. Y. St. Cab., p. 64, 1851, *Psylla.*
Riley *in* Lintner, 9th Rept. N. Y. St. Ent., p. 411, 1893, *Psylla* (note).
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 219, 1912, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 152, 1914, *Psylla* (figures).
Host: Acer.
Localities: Conn., N. Y., Ia.

2934. **Psyllia negundinis** (Mally)

Mally, Proc. Ia. Acad. Sci., ii, p. 155, 1894, *Psylla.*
Patch, Me. Agr. Exp. Sta., Bul. 202, p. 220, 1912, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 152, 1914, *Psylla.*
Host: Negundo.
Localities: Ia., Wis., Colo., N. Mex.

2935. **Psyllia brevistigmata** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 222, 1912, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 153, 1914, *Psylla* (figures).

a. var. **magna** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 154, 1914, *Psylla.*

b. var. **acuta** (Crawf.)
Crawford, U. S. Natl. Mus., Bul. 85, pl. 154, 1914, *Psylla.*
Host: Pinus, Cercocarpus.
Localities: Colo., Utah, Nev., Calif.

2936. **Psyllia floccosa** (Patch)

Patch, Can. Ent., xli, p. 301, 1909, *Psylla.*
Patch, Ann. Ent. Soc. Am., ii, p. 117, 1909, *Psylla* (venation).
Patch, Me. Agr. Exp. Sta., Bul. 187, p. 11, 1911, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 154, 1914, *Psylla* (figures).
Host: Alnus.
Localities: Ont., Me., N. H., Md., Colo., Calif.

2937. **Psyllia astigmata** Crawf.

Crawford, N. S. Natl. Mus., Bul. 85, p. 155, 1914, *Psylla* (figures).
Host: Prunus.
Localities: Wis., Colo., Calif., Wash.

2938. **Psyllia trimaculata** (Crawf.)

Crawford, Pomona Jl. Ent., iii, p. 631, 1911, *Psylla* (as var. of *alni*).
Crawford, U. S. Natl. Mus., Bul. 85, p. 155, 1914, *Psylla.*
Host: (?)
Locality: N. Y.

2939. **Psyllia cerasi** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 202, p. 223, 1912, *Psylla* (figures).
Crawford, U. S. Natl. Mus., Bul. 85, p. 156, 1914, *Psylla.*
Host: Cerasus.
Locality: Me.

2940. **Psyllia alni** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 454, 1758, *Chermes.*
Linnaeus, Fauna Suec., edn. 2, p. , No. 1008, 1761, *Chermes.*
Geoffroy, Hist. Abreg. des Ins., i, p. 486, No. 3, 1762, *Psylla.*
Scopoli, Ent. Carn., p. 140, 1763, *Chermes.*
Linnaeus, Syst. Nat., edn. 12, ii, p. 738, 1767, *Chermes.*
DeGeer, Mémoires, iii, p. 148, pl. 10, fig. 8, 1773, *Chermes.*
Fabricius, Syst. Ent., p. 741, 1775, *Chermes.*
Goeze, Ent. Beytr., ii, p. 323, 1778, *Chermes.*
Fabricius, Spec. Ins., ii, p. 391, 1781, *Chermes.*
Retzius, Genera et Spec. Ins., p. 79, 1783, *Chermes.*
Fabricius, Mant. Ins., ii, p. 318, 1787, *Chermes.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2212, 1788, *Chermes.*
Latreille, Hist. Nat. Crust. Ins., iii, p. 267, 1802, *Psylla.*
Fabricius, Ent. Syst., iv, p. 222, 1794, *Chermes.*
Fabricius, Syst. Rhyng., p. 305, 1803, *Chermes.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 380, 1804, *Psylla.*
Latreille, Genera Crust. Ins., iii, p. 169, 1807, *Psylla.*
Latreille, Consid. Gén., p. 434, 1810 (as type of *Psylla*).
Leach, Brewster's Edinbg. Encyc., ix, p. 125, 1815, *Psylla.*
Zetterstedt, Fauna Lapp., p. 556, 1828, *Chermes.*

Burmeister, Hand. d. Ent., ii, p. 98, 1835, *Psylla.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 70, 1848, *Psylla.*
Walker, List Homop., iv, p. 912, 1852, *Psylla* (bibliography).
Flor, Rhyn. Livl., ii, p. 460, 1861, *Psylla.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 532, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxvi, pl. 2, figs. 26, 32–35, 1876, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxxviii, p. 17, 1888, *Psylla* (note).
Edwards, Hemip. Homop. Brit. Isds., p. 248, pl. 27, fig. 4, 1896, *Psylla.*
Aulmann, Psyllid. Cat., p. 9, 1913, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 160, pl. 27, fig. 476, 1914, *Psylla.*
fuscinervis Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 70, 1848, *Psylla.*
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 395, 1871, *Psylla.*
heydeni Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 81, 1848, *Psylla.*
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 395, 1871, *Psylla.*

a. var. **americana** (Crawf.)
Crawford, U. S. Natl. Mus., Bul. 85, p. 156, 1914, *Psylla* (figures).
Host: Alnus.
Localities: "Am. Sept." (Linnaeus), Nev., Calif. (Europe.)

2940½. **Psyllia buxi** (Linn.)

Linnaeus, Syst. Nat., edn. 10, i, p. 454, 1758, *Chermes.*
Geoffroy, Hist. Abreg. des Ins., i, p. 485, No. 2, 1762, *Psylla* (without name).
Linnaeus, Syst. Nat., edn. 12, ii, p. 738, 1767, *Chermes.*
Fabricius, Syst. Ent., p. 740, 1775, *Chermes.*
Goeze, Ent. Beytr., ii, p. 322, 1778, *Chermes.*
Fabricius, Spec. Ins., ii, p. 391, 1781, *Chermes.*
Fourcroy, Ent. Paris., i, p. 223, 1785, *Psylla.*
Fabricius, Mant. Ins., ii, p. 317, 1787, *Chermes.*
Gmelin *in* Linnaeus, Syst. Nat., edn. 13, i, pt. 4, p. 2212, 1788, *Chermes.*
Fabricius, Ent. Syst., iv, p. 221, 1794, *Chermes.*
Fabricius, Syst. Rhyng., p. 304, 1803, *Chermes.*
Blanchard, Hist. des. Ins., Hémip., p. 210, 1840, *Chermes.*
Förster, Verh. Natw. Ver. Preuss. Rheinl., v, p. 71, 1848, *Psylla.*
Walker, List Homop., iv, p. 913, 1852, *Psylla.*
Westwood, Gardner's Chronicle for 1852, p. 517, *Chermes.*
Meyer–Dür, Mitth. Schw. Ent. Ges., iii, p. 399, 1871, *Psylla.*
Scott, Trans. Ent. Soc. Lond. for 1876, p. 534, *Psylla.*
Scott, Ent. Mo. Mag., xvii, p. 18, 1880, *Psylla.*
Löw, Verh. Zool.-Bot. Ges. Wien, xxxi, p. 169, 1881, *Psylla.*
Smith, Cat. Ins. N. J., edn. 3, p. 109, 1910, *Psylla.*
Riley *in* Packard, 5th Rept. U. S. Ent. Comm., p. 672, 1890, *Psylla.*
Edwards, Hemip. Homop. Brit. Isds., p. 249, pl. 28, fig. 7, 1896, *Psylla.*
Weiss, Ent. News, xxviii, p. 96, 1917 (occurrence).
Host: Buxus.
Localities: N. J., D. C. (Europe.)

2941. **Psyllia caudata** (Crawf.)

Crawford, U. S. Natl. Mus., Bul. 85, p. 157, 1914, *Psylla* (figures).
Host: Alnus.
Locality: Colo.

2942. **Psyllia galeaformis** (Patch)

Patch, Me. Agr. Exp. Sta., Bul. 187, p. 12, 1911, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 157, fig. 144, 1914, *Psylla.*
Host: Alnus.
Localities: Ont., Me., N. H., N. Y., Mich., Wash.

UNCERTAIN SPECIES

2943. **Psyllia reticeps** (Prov.)

Provancher, Pet. Faune Ent. Can., iii, p. 305, 1890, *Psylla.*
Crawford, U. S. Natl. Mus., Bul. 85, p. 159, 1914, *Psylla.*
Host: (?)
Locality: Quebec.

2943¼. **Psylla ochracea** Prov.

Provancher, Nat. Can., iv, p. 379, 1872.
Host: (?)
Locality: Quebec.

2943½. **Psylla brunnea** Prov.

Provancher, Nat. Can., iv, p. 379, 1872.
Host: (?)
Locality: Quebec.

2943¾. **Psylla cedrelae** Kief.

Kieffer, Ann. Soc. Sci. Bruxelles, xxix, p. 32, fig. 11, pl. 2, fig. 20, 1905.
Aulmann, Psyllid. Cat., p. 12, 1913.
Host: (?)
Locality: "Amerika."

2944. **Diraphia quadricornis** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 306, 1890.
Crawford, U. S. Natl. Mus., Bul. 85, p. 160, 1914, *Psylla.*
Host: (?)
Locality: Ont.

2945. **Diraphia sanguinea** Prov.

Provancher, Pet. Faune Ent. Can., iii, p. 307, 1890.
Crawford, U. S. Natl. Mus., Bul. 85, p. 160, 1914, *Psylla.*
Host: (?)
Locality: Quebec.

ADDITIONS AND CORRECTIONS

(The head-lines are not included in counting the lines.)

Page 4, after line 16, add

Davis, Jl. N. Y. Ent. Soc., xix, p. 113, 1911. N. Y.

Page 6, after line 8 from bottom, add

Barber, Jl. N. Y. Ent. Soc., xix, p. 198, 1911. N. J.

Page, 16, line 9, for **gilletti** read **gillettii.**

Page 20, after line 29, add

Stoner, Proc. Ia. Acad. Sci., xxiii, p. 304, 1916. Ia.

Page 22, after line 30, add

Stoner, Proc. Ia. Acad. Sci., xxiii, p. 304, 1916. Ia.

Page 49, after line 30, add

Olsen, Jl. N. Y. Ent. Soc., xviii, p. 39, 1910.

Page 62, after line 4, add

Barber, Jl. N. Y. Ent. Soc., xix, p. 198, 1911. N. J.

Page 74, after line 9, add

Osborn and Drake, Ohio Nat., xv, p. 508, 1915. Ohio.

Page 88, after line 1, add

Gibson, Psyche, xxiv, p. 69, 1917 (key to species).

Page 104, after line 29, add

Morrill, U. S. Dept. Agr., Div. Ent., Bul. 39, 1899.

Page 119, after line 3, add

Osborn and Drake, Ohio Nat., xv, p. 506, 1915. Ohio.

Page 126, after line 22, add

Osborn and Drake, Ohio Nat., xv, p. 506, 1915. Ohio.

Page 142, after line 5, add

Osborn and Drake, Ohio Nat., xv, p. 505, 1915. Ohio.

Page 147, after line 1, add

Barber, Psyche, xxiv, p. 128, 1917 (key to N. American genera).

Page 155, after line 2, add

Davis, Jl. N. Y. Ent. Soc., xix, p. 113, 1911. N. Y.

Page 190, after line 15 from bottom, add

582½. **Rhyparochromus plenus** Dist.

Distant, Biol. Centr. Am., Heter., i, p. 216, pl. 19, fig. 23, 1882.

Parshley, Can. Ent., xlix, p. 47, 1917.

Localities: Mass., Conn., Ariz. (Guatemala.)

Page 200, after line 7, add

Bueno, Ent. News, xxviii, p. 65, 1917 (review of Am. species).

Page 203, after line 11 from bottom, add

Davis, Jl. N. Y. Ent. Soc., xix, p. 113, 1911. N. Y.

Page 210, line 11 from bottom should follow line 19 from bottom.

Page 211, at bottom of page, add

637⅛. **Acalypta grisea** Heid.

Heidemann, Proc. Ent. Soc. Wash., xviii, p. 218, pl. 17, fig. 2, 1916.

Localities: Mass., Md., N. C.

Page 212, after line 3, add

Parshley, Psyche, xxiv, p. 14, 1917.

Page 212, after line 7, add

637⅝. **Acalypta cooleyi** Drake

Drake, Ohio Jl. Sci., xvii, p. 213, 1917.

Locality: Mont.

Page 212, after line 10, add

Parshley, Psyche, xxiv, p. 15, 1917.

Page 212, after line 13, add

Genus **Dictyonota** Curt.

Orthotype †*eryngii* Curt. = *strichnocera* Fieb.

Curtis, Brit. Ent., iv, pl. 154, 1827.

Fieber, Ent. Monog., p. 91, 1844. [pseudotype).

Laporte, Essai Syst. Classif. Hémip., p. 50, 1832 (names *crassicornis* Fabr.

Spinola, Essai sur les Hémip., p. 165, 1837 (1840), *Dyctionota.*

Herrich-Schaeffer, Wanz. Ins., iv, p. 73, 1839. [as type).

Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840 (cites *eryngii*

Spinola, Tavola Sinot., p. 43, 1850, *Dyctionota.*

Flor, Rhyn. Livl., i, p. 357, 1860.

Fieber, Europ. Hemip., pp. 36, 126, 1861.

Douglas and Scott, Brit. Hemip., p. 255, 1865.

Walker, List Heter., vi, pp. 175, 176, 1873.

Horvath, Ann. Mus. Natl. Hung., iv, pp. 13, 36, 1906 (monograph).

Subgenus **Alcletha** Kirk.

Orthotype *tricornis* Schrnk.

Kirkaldy, Entomol., xxxiii, p. 241, 1900 (n.n. for †*Dictyonota* Stål).

Horvath, Ann. Mus. Natl. Hung., iv, p. 37, 1906.

Oshanin, Verz. Palae. Hemip., i, p. 415, 1908.

Oshanin, Kat. Palae. Hemip., p. 43, 1912.

†*Dictyonota* Stål, Enum. Hemip., iii, p. 118, 1873.

Stål, Of. Vet. Akad. Forh., xxxi, p. 49, 1874.

Puton, Synop. Heter. Fr., i, p. 100, 1879.

Lethierry and Severin, Cat. Génl. Hémip., iii, p. 7, 1896.

637⅞. **Dictyonota tricornis** (Schrnk.)

Schrank, Fauna Boic., ii, p. 67, 1801, *Acanthia.*

Reuter, Revue Synon., p. 221, No. 173, 1888.

Horvath, Ann. Mus. Zool. Univ. Napoli, ii, No. 10, pp. 1, 3, 1906.

Horvath, Ann. Mus. Natl. Hung., iv, p. 41, 1906.

Oshanin, Verz. Palae. Hemip., i, p. 415, 1908.

crassicornis Fallén, Monog. Cimic. Suec., p. 38, 1807, *Tingis.*

Curtis, Brit. Ent., iv, pl. 154, 1827.

Zetterstedt, Fauna Lapp., p. 480, 1828, *Tingis.*

Fallén, Hemip. Suec. Cimic., p. 147, 1829, *Tingis.*

Laporte, Essai Classif. Syst. Hémip., p. 50, 1832 (as type).

Brulle, Hist. des Ins., ix, p. 339, pl. 25, fig. 6, 1835, *Tingis.*

Spinola, Essai sur les Hémip., p. 165, 1837 (1840), *Dyctionota.*

Zetterstedt, Ins. Lapp., column 269, 1840, *Tingis* (*Piesma*).

Fieber, Ent. Monog., p. 92, pl. 7, figs. 42–47, 1844.

Sahlberg, Geoc. Fenn., p. 134, 1848.

Herrich-Schaeffer, Wanz. Ins., ix, p. 157, 1853.

Flor, Rhyn. Livl., i, p. 358, 1860.

Fieber, Europ. Hemip., p. 127, 1861.

Douglas and Scott, Brit. Hemip., p. 255, 1865.

Walker, Cat. Heter., vi, p. 177, 1873.
Stål, Of. Vet. Akad. Forh., xxxi, p. 49, 1874.
Saunders, Trans. Ent. Soc. Lond. for 1875, p. 250.
Puton, Synop. Heter. Fr., i, p. 100, 1879.
Reuter, Ent. Tidskr., iii, p. 117, 1882.
Saunders, Hemip. Heter. Brit. Isds., p. 128, pl. 12, fig. 1, 1892.
Rey, Échange, ix, p. 97, 1893.
Hüeber, Fauna Germ., Hemip., p. 313, 1893.

erythrophthalma Germar, Fauna Ins. Eur., iii, pl. 25, 1817, *Tingis.*
Schilling, Berm. u. Tingis, *in* Arb. Veränd. Schles. Ges. for 1837,
Herrich-Schaeffer, Wanz. Ins., iv, p. 74, 1839. [p. 106, 1838, *Tingis.*
Fieber, Ent. Monog., p. 94, pl. 8, figs. 1–3, 1844.
Herrich-Schaeffer, Wanz. Ins., ix, p. 158, 1853.
Fieber, Europ. Hemip., p. 127, 1861.
Garbiglietti, Bul. Soc. Ent. Ital., i, p. 275, 1869.
Walker, Cat. Heter., vi, p. 177, 1873.
Puton, Synop. Heter. Fr., i, p. 100, 1879 (as var.). [*Tingis.*

pilicornis Herrich-Schaeffer, Fauna Ins. Germ., No. 118, pl. 17, 1830,
Herrich-Schaeffer, Nomen. Ent., p. 57, 1835, *Tingis.*
Herrich-Schaeffer, Wanz. Ins., iv, p. 74, 1839.
Fieber, Ent. Monog., p. 95, pl. 8, figs. 8–9, 1844.
Kolenati, Melet. Ent., vi, p. 14, 1856, *Campylosteira.*

†*marginatum* Burmeister, Handb. d. Ent., ii, p. 258, 1835, *Piesma.*
Costa, Cimic. Reg. Neap., Cent. i, p. 21, 1838.
Blanchard, Hist. des Ins., Hémip., p. 112, 1840, *Tingis.*

truncaticollis Costa, Add. Cimic. Reg. Neap., p. 7, pl. 1, fig. 4, 1860.

lurida Garbiglietti, Bul. Soc. Ent. Ital., i, p. 274, 1869.

erythrocephala Garbiglietti, Bul. Soc. Ent. Ital., i, p. 275, 1869.
Walker, Cat. Heter., vi, p. 178, 1873.

a. var. **americana** Pshly.
Parshley, Psyche, xxiii, p. 164, 1916.
Locality: Mo. (for variety only, the species in Europe).

Page 212, after line 13 from bottom, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 297, 1917. Ia., Okl., Texas, Calif.

Page 212, after line 7 from bottom, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 300, 1917. Md., Va., Tenn., Ariz.

Page 213, after line 9, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 297, 1917.

Page 213, after line 13, add

639⅛. **Corythucha salicis** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 298, 1917.
Localities: Mass., Wis., Mont.

Page 213, after line 15, add [Ga., Wis., S. D., Ia., Neb., Texas, Col.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 300, 1917. Pa., Md., Va., S. C.,

Page 213, after line 2 from bottom, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 301, 1917. Idaho, Ore., Calif.
[This species may prove distinct from *fuscigera* Stål.]

Page 214, after line 8, add

644¼. **Corythucha morrilli** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 298, 1917.
Localities: Colo., Ariz.

644½. **Corythucha coryli** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 299, 1917.
Locality: Md.
Page 214, after line 17, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 298, 1917. Pa., Ga., Tenn., Ia., La.
Page 214, after line 5 from bottom, add

648⅛. **Corythucha pura** Gibs.
Gibson, Ent. News, xxviii, p. 258, 1917.
Locality: Wash.
Page 215, after line 3, add

648¾. **Corythucha eriodictyonae** O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 302, 1917.
Locality: Calif.
Page 215, after line 11, add [Wis.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 297, 1917. Ga., Ohio, Tenn., Ia.,
Page 215, after line 15, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 301, 1917. Colo., Ariz.
Page 215, after line 21, add [Calif.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 301, 1917. Wyo., Utah, Mont.,
spinata Osborn and Drake, Ohio Jl. Sci., xvii, p. 301, 1917. Mont.
Page 215, after line 27, add [(as var.).
Osborn and Drake, Ohio Jl. Sci., xvii, p. 304, 1917. Ky., Ill.
Page 215, after line 30, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 304, 1917.
Page 215, after line 34, add
Osborn and Drake, Ohio Jl. Sci., xvii, p. 304, 1917. N. Y., D. C., Tenn.
Page 215, after line 11 from bottom, add

Corythucha padi Drake
Drake, Ohio Jl. Sci., xvii, p. 215, 1917.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 303, 1917.
Localities: Mont., Wash., Ore., B. C.

Corythucha hoodiana O. & D.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 302, 1917.
Locality: Ore.
Page 215, after line 6 from bottom, add
Drake, Ohio Jl. Sci., xvii, p. 214, 1917.
Page 215, after line 5 from bottom, add

650½. **Dolichocysta acuta** Drake
Drake, Ohio Jl. Sci., xvii, p. 214, 1917.
Localities: Colo., Mont.
Page 216, after line 15, add
Parshley, Psyche, xxiv, p. 15, 1917.
Page 216, after line 5 from bottom, add
Dickerson and Weiss, Ent. News, xxviii, p. 101, 1917 (life history).
Page 217, after line 3, add
Champion, Ent. Mo. Mag., lii, p. 207, 1916.
Parshley, Psyche, xxiv, p. 15, 1917.
Dickerson, Jl. N. Y. Ent. Soc., xxv, p. 105, 1917, *Leptobyrsa* (full account).
Page 217, after line 23, add
Drake, Ent. News, xxviii, p. 227, 1917 (key to species).

Page 218, after line 19, add

658⅛. **Gargaphia albescens** Drake

Drake, Ent. News, xxviii, p. 228, 1917.

Locality: Calif.

Genus **Corythaica** Stål

Haplotype *monacha* Stål

Stål, Enum. Hemip., iii, pp. 120, 128, 1873.

Champion, Biol. Centr. Am., Heter., ii, p. 9, 1897.

Champion, Trans. Ent. Soc. Lond. for 1898, p. 58.

Typonotus Uhler, Proc. Zool. Soc. Lond. for 1893, p. 716.

658¼. **Corythaica bellula** Bueno

Bueno, Bul. Brookl. Ent. Soc., xii, p. 19, 1917.

Locality: N. Y.

658½. **Corythaica constricta** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 304, 1917.

Locality: Colo.

Page 218, after line 25, add

McAtee, Bul. Brookl. Ent. Soc., xii, p. 60, 1917 (key to species).

Page 218, after line 31, add

McAtee, Bul. Brookl. Ent. Soc., xii, p. 62, 1917. Ia., Neb., Wis.

Page 218, after line 37, add

McAtee, Bul. Brookl. Ent. Soc., xii, p. 61, 1917.

Page 218, after line 6 from bottom, add

McAtee, Bul. Brookl. Ent. Soc., xii, p. 63, 1917. N. J., La.

Page 218, after line 5 from bottom, add

661½. **Leptostyla vilifer** McAtee

McAtee, Bul. Brookl. Ent. Soc., xii, p. 60, 1917.

Locality: Ariz.

Page 219, after line 9 from bottom, add

Parshley, Psyche, xxiii, p. 165, 1916.

Page 220, after line 6, add

Parshley, Psyche, xxiv, p. 16, 1917.

McAtee, Bul. Brookl. Ent. Soc., xii, p. 55, 1917 (key to species).

Page 220, after line 16, add [Neb.

McAtee, Bul. Brookl. Ent. Soc., xii, p. 58, 1917. Ont., Tenn., Ohio, Wis.,

Page 220, after line 17, add

666¼. **Leptoypha costata** Pshly.

Parshley, Psyche, xxiv, p. 16, 1917 (Febr.).

McAtee, Bul. Brookl. Ent. Soc., xii, p. 57, 1917. {1, 1917 (June).

distinguenda Heidemann, Proc. Ent. Soc. Wash., xviii, p. 218, pl. 17, fig.

Localities: Md., D. C., Va.

Page 220, after line 20, add

McAtee, Bul. Brookl. Ent. Soc., xii, p. 59, 1917. Texas, Calif.

Page 220, after line 21, add

666⅝. **Leptoypha minor** McAtee

McAtee, Bul. Brookl. Ent. Soc., xii, p. 56, 1917.

Locality: Calif.

666¾. **Leptoypha elliptica** McAtee

McAtee, Bul. Brookl. Ent. Soc., xii, p. 57, 1917.

Locality: Texas.

Page 220, after line 26, add

Parshley, Psyche, xxiv, p. 17, 1917 (key to species).

Page 221, at top of page, add

669¼. **Melanorhopala obscura** Pshly

Parshley, Psyche, xxiii, p. 167, 1916.
Locality: Mass.

Page 221, after line 3, add

669⅝. **Melanorhopala infuscata** Pshly.

Parshley, Psyche, xxiv, p. 19, 1917.
Locality: Va.

Genus **Hesperotingis** Pshly.
Orthotype *antennata* Pshly.

Parshley, Psyche, xxiv, p. 21, 1917.

669¾. **Hesperotingis antennata** Pshly.

Parshley, Psyche, xxiv, p. 21, 1917.
Locality: Conn.

669⅞. **Hesperotingis fuscata** Pshly.

Parshley, Psyche, xxiv, p. 24, 1917.
Locality: Colo.

Page 221, after line 14, add

Osborn and Drake, Ohio Jl. Sci., xvii, p. 305, 1917 (key to species).
Parshley, Psyche, xxiv, p. 24, 1917.

Page 221, after line 16, add

Parshley, Psyche, xxiv, p. 25, 1917. N. H.

Page 221, after line 17, add

670⅝. **Alveotingis minor** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 305, 1917.
Locality: Ia.

670¾. **Alveotingis brevicornis** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 306, 1917.
Locality: Ia.

Page 222, after line 14 from bottom, add

Osborn and Drake, Ohio Jl. Sci., xvii, p. 295, 1917.

Page 222, after line 6 from bottom, add

Osborn and Drake, Ohio Jl. Sci., xvii, p. 295, 1917. Colo., N. Mex.

Page 222, after line 1 from bottom, add

679⅛. **Atheas nigricornis** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 45, pl. 3, fig. 21, 1898.
Osborn and Drake, Ohio Jl. Sci., xvii, p. 296, 1917.
Localities: Ariz. (Mexico, Guatemala.)

679¼. **Atheas annulatus** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 295, 1917.
Locality: Ark.

679½. **Atheas sordidus** O. & D.

Osborn and Drake, Ohio Jl. Sci., xvii, p. 296, 1917.
Locality: Ia.

Page 223, after line 25, add

Drake, Bul. Brookl. Ent. Soc., xii, p. 49, 1917 (key to species).

Page 223, after line 29, add

681¼. **Monanthia ehrethiae** Gibs.

Gibson, Bul. Brookl. Ent. Soc., xii, p. 50, 1917.
Locality: Texas.

681½. **Monanthia coloradensis** Drake

Drake, Bul. Brookl. Ent. Soc., xii, p. 51, 1917.
Locality: Colo.

Page 248, line 12 from bottom, for **gerstackeri** read **gerstaeckeri.**

Page 257, after line 11 from bottom, add

Davis, Jl. N. Y. Ent. Soc., xix, p. 112, 1911. N. Y.

Page 273, after line 8 from bottom, add

Genus **Merragata** Whte.
Haplotype *hebroides* Whte.

White, Ann. Mag. Nat. Hist., ser. 4, xx, p. 113, 1877.
Champion, Biol. Centr. Am., Heter., ii, p. 121, 1898.
Kirkaldy and Bueno, Proc. Ent. Soc. Wash., x, p. 215, 1908 (catalogue).
Bueno, Can. Ent., xliv, p. 32, 1912 (key to species).
Drake, Ohio Jl. Sci., xvii, p. 101, 1917 (key to species). [Berg.).
Lipogomphus Berg, Hemip. Arg., p. 286, 1879 (haplotype *lacuniferus*
Berg, Hemip. Arg. Add., p. 116, 1884.
Berg, Ann. Soc. Sci. Arg., ix, p. 14.

813¼. **Merragata foveata** Drake

Drake, Ohio Jl. Sci., xvii, p. 103, 1917.
Localities: Ohio, Colo.

813½. **Merragata brunnea** Drake

Drake, Ohio Jl. Sci., xvii, p. 105, 1917.
Locality: Ohio.

Page 274, after line 22, add

Hungerford, Psyche, xxiv, p. 73, 1917 (life history).

Page 282, after line 9 from bottom, add

Patch, Me. Agr. Exp. Sta., Bul. 244, p. 283, 1915 (life history).

Page 287, line 7, for Moufflet read Moufet.

Page 289, line 1, after Isis insert vii.

Page 291, line 4 from bottom, for Scholz read Scholtz.

Page 292, after line 13, add

Genus **Macrotracheliella** Champ.
Haplotype *laevis* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 322, 1900.
Parshley, Ent. News, xxviii, p. 37, 1917.

852½. **Macrotracheliella nigra** Pshly.

Parshley, Ent. News, xxviii, p. 38, 1917.
Locality: Mass.

Page 295, after line 6, add

Genus **Melanocoris** Champ.
Haplotype *obovatus* Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 329, 1900.

865½. **Melanocoris obovatus** Champ.

Champion, Biol. Centr. Am., Heter., ii, p. 330, pl. 19, fig. 27, 1900.
Localities: Calif. (Giffard). (Guatemala.)

Page 309, after line 1, add

Reuter, Ann. Soc. Ent. Belg., lvii, p. 80, 1913.

Page 309, after line 6, add

§*longipennis* Oshanin, Kat. Palae. Hemip., p. 69, 1912 (as synonym).

Page 314, after line 9, add

Knight, Can. Ent., xlix, p. 251, 1917.

Page 325, after line 33, add

Genus **Neobothynotus** Wirtn.

Orthotype *modestus* Wirtn.

Wirtner, Ent. News, xxviii, p. 33, 1917.

976½. **Neobothynotus modestus** Wirtn.

Wirtner, Ent. News, xxviii, p. 34, 1917. [*pilosus* Boh.).

Knight, Can. Ent., xlix, p. 251, 1917 (suggests identity with *Bothynotus*

Localities: Pa., Ill.

Page 326, line 26

McAtee, Ann. Ent. Soc. Am., ix, p. 370, 1916. Lists following color varieties:

rubidus McAtee, p. 371.
triops McAtee, p. 371.
diops McAtee, p. 372.
percursus McAtee, p. 372.
compar McAtee, p. 373.
cunealis McAtee, p. 373.
lucidus McAtee, p. 373.
par McAtee, p. 373.
sordidus McAtee, p. 374.
bidens McAtee, p. 374.
ardens McAtee, p. 375.
nubilus McAtee, p. 375.
delta McAtee, p. 376.
varius McAtee, p. 376.
bicolor McAtee, p. 376.

Page 326, line 2 from bottom

McAtee, Ann. Ent. Soc. Am., ix, p. 382, 1916, lists following color varieties:

castus McAtee, p. 382.
colonus McAtee, p. 383.
amiculus McAtee, p. 384.

Page 327, after line 7, add

a. var. **ablutus** McAtee.

McAtee, Ann. Ent. Soc. Am., ix, p. 386, 1916.

Page 327, line 23

McAtee, Ann. Ent. Soc. Am., ix, p. 377, lists three color varieties:

ancora Kngt., p. 378.
fissus McAtee, p. 379.
pallidulus McAtee, p. 380.

Page 327, line 8, from bottom, for Zeit. read Monats.

Page 329, line 31, for Samm. read Versamm.

Page 329, line 33, for *Strob.* read *Strobl.*

Page 335, line 9 from bottom, for Trans. read Proc.

Page 339, at bottom of page, add

Mr. Knight in his revision of genus **Lygus**, now being published as Bulletin 391, Cornell Univ. Agr. Exp. Sta., uses the following classification of the species, founded on genital characters only:

Group I (*pratensis* group)

pratensis Linn., var. **punctatus** Zett., p. U. S., Can.
pratensis Linn., var. **rubidus** Kngt., p. Me.
vanduzeei Knight., p. E. U. S., Can. [Quebec, Nova Scot.
vanduzeei Kngt., var. **rubroclarus** Kngt., p. Mass., Vt., N. H., Me.,
convexicollis Reut., p. Calif., Wash.
convexicollis Kngt., var. **coloratus** Kngt., p. Calif.
humeralis Kngt., p. Br. Col.
columbiensis Kngt., p. Br. Col.
superiorensis Kngt., p. Mich.
atriflavus Kngt., p. Colo., N. Mex., Calif.
elisus Van D., p. S. D., Wyo., Colo., Texas, Ariz., Calif.
elisus Van D., var. **viridiscutus** Kngt., p. Calif.
elisus Van D., var. **hesperius** Kngt., p. Calif.
plagiatus Uhl., p. Mass., R. I., N. Y., N. J., Mo.
striatus Kngt., p. Calif.
nigropallidus Kngt., p. N. Mex.
areatus Kngt., p. Calif.
bradleyi Kngt., p. Calif.
niblius Van D., p. Calif.
ultranubilus Kngt., p. Neb., Colo., N. Mex.
nubilatus Kngt., p. Calif.
nubilosus Kngt., p. Colo., Utah, N. Mex.
distinguendus Reut., p. Colo., Utah, B. C. (Asia).
distinguendus Reut., var. **tahoensis** Kngt., p. Calif.
robustus Uhl., p. Colo., Calif.

Group II (*campestris* group)

rubicundus Fall., p. U. S., Can. (Europe.)
rubicundus Fall., var. **winnipegensis** Kngt., p. Manitoba.
sallei Stål, p. Colo., N. Mex., Ariz., Calif.
campestris Linn., p. U. S., Can. (Europe.)
distinctus Kngt., p. Ariz.
pabulinus Linn., p. U. S., Can. (Europe.)

Group III (*approximatus* group)

approximatus Stål, p. N. H., N. Y., Ont., B. C., Alask.

Group IV (*olivaceus* group)

olivaceus Reut., p. Conn., N. Y., N. J., Fla., La. (West Indies.)
olivaceus Reut., var. **viridiusculus** Kngt., p. Mass.
fasciatus Reut., p.

Group V (*apicalis* group)

apicalis Fieb. U. S. (Neotropical.)

Group VI (*communis* group)

(Subgenus **Neolygus** Kngt. n. subg., p.)

fagi Kngt., p. Vt., Mass., N. Y.
invitus Say, p. E. St.

atritylus Kngt., p. Vt., N. H., Colo.
confusus Kngt., p. Me., N. H.
alni Kngt., p. N. H., N. Y., Nova Scot.
geneseensis Kngt., p. Mass., N. Y., Pa., Md., Va., Mo.
viburni Kngt., p. Vt., Conn., N. Y.
parshleyi Kngt., p. Me., N. H.
parshleyi Kngt., var. **shermani Kngt.**, p. N. C.
inconspicuus Kngt., p. Conn., N. Y., Md., Va., Ga.
tiliae Kngt., p. Vt., Mass., Conn., N. Y., Ont.
caryae Kngt., p. Vt., Mass., Conn., N. Y., Miss.
caryae Kngt., var. **subfuscus** Kngt., p. Mass., Conn., N. Y., Miss.
atrinotatus Kngt., p. Pa., D. C., N. C.
vitticollis Reut., p. N. Y., Mich.
neglectus Kngt., p. Mass.
communis Kngt., p. Me., Vt., N. H., Mass., Conn., N. Y., Va.
communis Kngt., var. **novascotiensis** Kngt., p. Nova Scotia.
univittatus Kngt., p. N. Y.
quercalba Kngt., p. Mass., N. Y., Va., Wis.
semivittatus Kngt., p. N. Y., Va. [N. C.
omnivagus Kngt., p. Ont., Vt., R. I., N. H., Mass., Conn., N. Y., Va.,
johnsoni Kngt., p. Vt., Conn., N. Y.
belfragei Reut., p. Ont., Me., Vt., Mass., N. Y.
clavigenitalis Kngt., p. Me., Mass., Md.
hirticulus Van D., p. N. Y.
canadensis Kngt., p. Ont., Wis.
canadensis Kngt., var. **binotatus** Kngt., p. N. J.
ostryae Kngt., p. Ont., Vt., Mass., N. Y.
laureae Kngt., p. N. Y., Va., N. C.
?carolinae Reur., p.

Page 343, after line 11, add

a. var. **novascotiensis** Kngt.

Knight, Can. Ent., xlviii, p. 349, 1916.

Brittain, Nova Scotia Dept. Agr., Bul. 8, 1917 (life history).

Page 346, after line 23, add

Riley, 2d Rept. Nox. Ins. Mo., p. 113, 1870, *Capsus.*

Page 350, after line 14 from bottom, add

Dickerson and Weiss, Jl. N. Y. Ent. Soc., xxiv, p. 302, 1917 (life history).

Page 367, after line 23, add

Knight, Ent. News, xxviii, p. 3, 1917.

Page 375, after line 22, add

Knight, Can. Ent., xlix, p. 249, 1917. Me.

Page 385, line 6. This note refers to preceding reference only and should have been placed at right end of line.

Page 396, after line 14, add

Genus **Heterotoma** Latr.*

Haplotype *spissicornis* Fabr. = *meriopterus* Scop.

Latreille *in* Cuvier, Règne Animal, edn. 2, v, p. 199, 1829.

Laporte, Essai Classif. Syst. Hémip., p. 40, 1832.

---

* Reuter credits *Heterotoma* to Le Peletier et Serville, Encyc. Méth., x, without page, but my notes on this volume do not contain the reference and I have not now access to the work. It may be necessary to write the name "*Heterotoma* Lep. & Serv., 1825."

Burmeister, Hand. d. Ent., ii, p. 275, 1835.
Brullé, Hist. des Ins., ix, p. 408, 1835.
Blanchard, Hist. des Ins., Hémip., p. 140, 1840. [*cornis* Fabr. as type).
Westwood, Intr. Mod. Classif. Ins., ii, Synop., p. 121, 1840 (cites *spissi-*
Amyot and Serville, Hémip., p. 283, 1843.
Spinola, Tavola Sinot., p. 43, 1850.
Fieber, Wien. Ent. Monats., ii, p. 315, 1858.
Fieber, Europ. Hemip., pp. 71, 290, 1861.
Douglas and Scott, Brit. Hemip., p. 437, 1965.
Walker, Cat. Heter., vi, pp. 44, 134, 1873.
Reuter, Genera Cimic. Eur., p. 37, 1875.
Reuter, Crit. Rev. Caps., i, p. 92, 1875.
Reuter, Hemip. Gymn. Eur., iii, pp. 336, 544, 1883.
Hüeber, Synop. Deut. Blindw., ii, pp. 105, 214, 1894? [not valid).
Heterotome Latreille, Fam. Nat. Règ. Anim., p. 422, 1825 (French form,
Reuter, Acta Soc. Sci. Fenn., xxxvii, No. 3, p. 149, 1910.

1180½. **Heterotoma meriopterum** (Scop.)

Scopoli, Ent. Carn., p. 131, 1763, *Cimex.*
Rossi, Fauna Etrus., ii, p. 249, 1790, *Cimex.*
Fieber, Europ. Hemip., p. 290, 1861.
Douglas and Scott, Brit. Hemip., p. 438, pl. 14, fig. 5, 1865.
Saunders, Trans. Ent. Soc. Lond. for 1875, p. 295.
Reuter, Hemip. Gymn. Eur., iii, pp. 336, 548, pl. 5, fig. 28, 1883.
Reuter, Rev. Synon., p. 296, No. 274, 1888.
Saunders, Hemip. Heter. Brit. Isds., p. 295, pl. 27, fig. 7, 1892.
Knight, Can. Ent., xlix, p. 250, 1917 (occurrence in America).
planicornis Pallas, Specil. Zool., ix, p. 23, pl. 1, fig. 13, 1772, *Cimex.*
spissicornis Fabricius, Genera Ins., p. 147, 1776, *Cimex.*
Panzer, Fauna Germ., ii, fig. 15, 1793, *Cimex.*
Donovan, Brit. Ins., iv, p. 71, pl. 135, 1794, *Cimex.*
Fabricius, Ent. Syst., iv, p. 181, 1794, *Lygaeus.*
Schellenberg, Ges. Land- u. Wasserw., p. 14, pl. 3, fig. 4, 1800, *Miris.*
Schrank, Fauna Boic., ii, p. 88, 1801, *Cimex.*
Fabricius, Syst. Rhyng., p. 246, 1803, *Capsus.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 233, 1804, *Capsus.*
Laporte, Essai Classif. Syst. Hémip., p. 41, 1832.
Herrich–Schaeffer, Nomen. Ent., p. 52, 1835, *Capsus.*
Burmeister, Hand. d. Ent., ii, p. 276, 1835.
Costa, Cimic. Reg. Neap., Cent. i, p. 54, fig. 11, 1838.
Blanchard, Hist. des Ins., Hémip., p. 140, 1840.
Amyot and Serville, Hémip., p. 283, 1843.
Meyer–Dür, Verz. Rhyn. Schw., p. 64, 1843, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 40, 1853, *Capsus.*
ater, Geoffroy *in* Fourcroy, Ent. Paris., p. 211, 1785, *Cimex.*
?crassicornis Fabricius, Syst. Ent., iv, p. 70, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 246, 1803, *Capsus.* [609, 1806, *Cimex.*
?crassipennis Turton *in* Linnaeus, Syst. Nat., edn. 13 (Eng. edn.), ii, p.
Localities: N. Y. (Europe.)

Page 397, after line 7 from bottom, add

Genus **Cyrtorhinus** Fieb.

Logotype(?) *elegantulus* Mey. = *caricis* Fall.

Fieber, Wien. Ent. Monats., ii, p. 313, 1858.

Fieber, Europ. Hemip., pp. 69, 284, 1861.
Reuter, Genera Cimic. Eur., p. 31, 1875 (as subgenus).
Reuter, Rev. Crit. Caps., i, p. 91; ii, p. 125, 1875 (as subgenus).
Reuter, Hemip. Gymn. Eur., iii, pp. 379, 545, 1883, *Cyrtorrhinus*.
Atkinson, Cat. Capsidae, p. 134, 1888, *Cyrtorrhinus*.
Hüeber, Synop. Deut. Blindw., ii, pp. 106, 148, 1897, *Cyrtorrhinus*.
Kirkaldy, Trans. Am. Ent. Soc., xxxii, p. 128, 1906 (names *elegantulus*
Oshanin, Verz. Palae. Hemip., i, p. 835, 1910, *Cyrtorrhinus*. [type).
Oshanin, Kat. Palae. Hemip., p. 73, 1912, *Cyrtorrhinus* (cites *caricis* as type).
Tytthus Fieber, Wien. Ent. Monats., viii, p. 82, 1864 (type *geminus* Flor.).
‖*Periscopus* Breddin, Deut. Ent. Zeit. for 1896, p. 106 (type *mundulus* [Bred.).
Breddiniessa Kirkaldy, Wien. Ent. Zeit., xxii, p. 13, 1903 (n.n. for [*Periscopus* Bred.).

1186¼. **Cyrtorhinus caricis** (Fall.)

Fallén, Monog. Cimic. Suec., p. 102, 1807, *Capsus*.
Fallén, Hemip. Suec., Cimic., p. 123, 1829, *Capsus*.
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 76, 1855, *Capsus*.
Reuter, Genera Cimic. Eur., p. 31, 1875.
Reuter, Rev. Crit. Caps., ii, p. 128, 1875.
Thomson, Opusc. Ent., iv, p. 437, 1871, *Capsus* (*Orthotylus*).
Reuter, Hemip. Gymn. Eur., iii, pp. 383, 555, pl. 1, fig. 10; pl. 2, fig. 3, 1883.
Saunders, Hemip. Heter. Brit. Isds., p. 283, pl. 26, fig. 5, 1892.
Hüeber, Synop. Dept. Blindw., ii, p. 150, 1897.
Oshanin, Verz. Palae. Hemip., i, p. 835, 1910.
Knight, Can. Ent., xlix, p. 250, 1916 (occurrence in America).
elegantulus Meyer-Dür, Verz. Schw. Rhyn., Caps., p. 69, pl. 5, fig. 2, [1843, *Capsus*.
Fieber, Europ. Hemip., p. 285, 1861.
Douglas and Scott, Brit. Hemip., p. 351, 1865, *Sphyracephalus*.
chloropterus Herrich-Schaeffer, Wanz. Ins., Verz., p. 34, 1853, *Capsus*.
Localities: Mass., N. Y., N. J. (Europe.)

1186½. **Cyrtorhinus pygmaeus** (Zett.)

Zetterstedt, Ins. Lapp., column 279, 1840, *Capsus*.
Flor, Rhyn. Livl., i, p. 605, 1860, *Capsus*.
Fieber, Wien. Ent. Monats, viii, p. 83, 1864, *Tytthus*.
Reuter, Genera Cimic. Eur., p. 31, 1875.
Reuter, Rev. Crit. Caps., ii, p. 127, 1875.
Thomson, Opusc. Ent., iv, p. 437, 1871, *Tytthus*.
Reuter, Hemip. Gymn. Eur., iii, pp. 381, 554, pl. 2, fig. 4, 1883.
Saunders, Hemip. Heter Brit. Isds., p. 283, pl. 26, fig. 6, 1892.
Hüeber, Synop. Deut. Blindw., ii, p. 149, 1897.
Oshanin, Verz. Palae. Hemip., i, p. 836, 1910.
pellucens Boheman, Of. Vet. Akad. Forh., ix, p. 76, 1852, *Capsus*.
Localities: Fla. (Slosson, Bradley). (Europe.)

Page 399, after line 18, add

1189½. **Orthocephalus mutabilis** (Fall.)

Fallén, Monog. Cimic. Suec., p. 98, 1807, *Capsus*.
Fallén, Hemip. Suec., Cimic., p. 118, 1829, *Capsus*.
Burmeister, Handb. d. Ent., ii, p. 277, 1835, *Halticus*.
Kirschbaum, Rhyn. v. Wiesbd., Caps., p. 83, *Capsus* (*Leptomerocoris*).
Flor, Rhyn. Livl., i, p. 567, 1860, *Capsus* (part).

Fieber, Europ. Hemip., p. 293, 1861.
Douglas and Scott, Brit. Hemp., p. 430, 1865.
Reuter, Hemip. Gymn. Eur., iv, pp. 48, 165, 166, pl. 4, figs. 2, 3, 1891.
Saunders, Hemip. Heter. Brit. Isds., p. 270, 1892.
Hüeber, Synop. Deut. Blindw., ii, p. 18, 1897.
Knight, Can. Ent., xlix, p. 249, 1917 (occurrence in America).
?coriacea Fabricius, Genera Ins., p. 299, 1776, *Acanthia.*
Fabricius, Ent. Syst., iv, p. 69, 1794, *Acanthia.*
Fabricius, Syst. Rhyng., p. 115, 1803, *Salda.*
Latreille, Hist. Nat. Crust. Ins., xii, p. 220, 1804, *Lygaeus.*
Stål, Hemip. Fabr., i, p. 88, 1868.
Thomson, Opusc. Ent., iv, p. 432, 1871.
Reuter, Rev. Crit. Caps., ii, p. 94, 1875.
Saunders, Trans. Ent. Soc. Lond. for 1875, p. 289.
Reuter, Rev. Synon., p. 288, No. 263, 1888, *Lopus.*
†*grylloides* Goeze, Ent. Beytr., ii, p. 187, 1778, *Cimex.*
pilosus Hahn, Wanz. Ins., ii, p. 96, fig. 181, 1831, *Capsus.*
Herrich–Schaeffer, Nomen. Ent., pp. 52, 86, 1835, *Capsus.*
Meyer–Dür, Verz. Rhyn. Schw., p. 59, 1843, *Capsus.*
Herrich–Schaeffer, Wanz. Ins., Verz., p. 38, 1853, *Capsus.*
Flor, Rhyn. Livl., i, p. 564, 1860, *Capsus.*
?stygialis Mulsant and Rey, Opusc. Ent., i, p. 151, 1852, *Capsus.*
Localities: Me. (Europe.)

Page 404, after line 17, add

Genus **Oncotylus** Fieb.
Logotype *punctipes* Reut.

Fieber, Wien. Ent. Monats., ii, p. 318, 1858.
Fieber, Europ. Hemip., pp. 72, 298, 1861.
Thomson, Opusc. Ent., i, p. 452, 1871.
Reuter, Hemip. Gymn. Eur., ii, p. 273, 1879; iii, p. 531, 1883.
Provancher, Pet. Faune Ent. Can., iii, p. 147, 1887.
Kirkaldy, Trans. Am. Ent., Soc., xxxii, p. 126, 1904.
Van Duzee, Univ. Calif. Publ., Div. Ent. Tech. Bul., i, p. 214, 1916.
Anoterops Fieber, Wien. Ent. Monats., ii, p. 317, 1858.
Fieber, Europ. Hemip., pp. 72, 297, 1861.
Cylindromelus Fieber, Europ. Hemip., p. 393, 1861.

Page 412, after line 6, add
Leonard, Jl. N. Y. Ent. Soc., xxiii, p. 193, 1915 (life history).

Page 415, line 19, for 1265 read 1256.

Page 418, after line 12, add
Leonard, Jl. N. Y. Ent. Soc., xxiii, p. 195 (life history).

Page 419, after line 9 from bottom, add
Knight, Can. Ent., xlix, p. 248, 1917. N. Fndl., N. Y., Colo.

Page 427, after line 20, add
Bueno, Ent. News, xxviii, p. 201, 1917 (life history).
Olsen, Bul. Brookl. Ent. Soc., xii, p. 21, 1917 (life history).

Page 427, after line 15 from bottom, add
Osborn and Drake, Ohio Nat., xv, p. 503, 1915. Ohio.

Page 428, after line 19, add
Bueno, Ent. News, xxviii, p. 295, 1917 (life history).

Page 430, after line 3, add
Osborn and Drake, Ohio Nat., xv, p. 503, 1915. Ohio.

Page 435, line 10, for *Boecula* read *Baecula.*
Page 447, after line 2, add
Parshley, Can. Ent., xlix, p. 48, 1917 (on shore drift).
Page 450, after line 18, add
Hungerford, Ent. News, xxviii, p. 179, 1917 (life history).
Page 452, after line 1, add
Hungerford, Ent. News, xxviii, p. 267, 1917 (life history).
Page 454, after line 4 from bottom, add
Hungerford, Ent. News, xxviii, p. 179, 1917 (life history).
Page 456, line 11, for **Ploa** read **Plea.**
Page 471, after line 2, add
Harvey, Can. Ent., xxxix, p. 17, 1907 (life history).
Page 477, after line 11, add
Hungerford, Jl. N. Y. Ent. Soc., xxv, pp. 1, 112, 1917 (habits, life history).
Page 487, line 23, for SECTION read SERIES.
Page 501, after line 16, add
Lander, Jl. N. Y. Ent. Soc., iii, p. 33, 1895 (domed burrows).
Page 502, line 3, for Calif. read Ariz.
Page 503 line, 4 from bottom, for **Okagana** read **Okanagana.**
Page 504, after line 7 from bottom, add
Davis, Jl. N. Y. Ent. Soc., xxv, p. 6, 1917.
Page 523, after line 23, add
Brittain, Proc. Ent. Soc. Nova Scot. for 1917, p. 34.
Page 524, after line 15, add
Brittain, Proc. Ent. Soc. Nova Scot. for 1917, p. 36.
Page 563, after line 9, add
Matausch, Jl. N. Y. Ent. Soc., xxiv, p. 151, 1916 (nymphs).
Page 569, after line 10, add
Gibson, Can. Ent., xlix, p. 75, 1917 (lists additional Mo. species).
Page 580, after line 15 from bottom, add
Brittain and Saunders, Can. Ent., xlix, p. 149, 1917 (with plate).
Page 582, line 1, for p. 45 read p. 82.
Page 604, after line 12 from bottom, add
Gibson, U. S. Dept. Agr., Bul. 254, 1915 (life history).
Page 605, line 25, add (Fh.)
Page 616, line 16, for Ann. read Anal.; for Natl. read Nacnl.
Page 623, line 13, for (Van D.) read (Fieb.), and add
Fieber, Kat. Eur. Cicad., p. 10, 1872, *Doridiae.*
Page 658, after line 9 from bottom, add

2142½. **Euscelis ozarcensis** Gibs.

Gibson, Can. Ent., xlix, p. 184, 1917.
Locality: Mo.

Page 679, line 11 from bottom, for **gilletti** read **gillettii.**
Page 692, after line 14, add

2355½. **Tinobregmus moodii** Gibs.

Gibson, Can. Ent., xlix, p. 183, 1917.
Locality: Mo.

Page 708, line 9 from bottom, for **bifasciata** (G. & B.), read
a. var. **gillettei** n.n.—and change next line to read
‖*bifasciata* Gillette and Baker, Hemip. Colo., p. 111, 1895, *Typhlocyba.*
and indent next five lines.

Page 710, line 34, probably ‖ should read †, and add date 1874.
Page 711, after line 16, add
Brittain and Saunders, Proc. Ent. Soc. Nova Scot. for 1917, p. 48 (life history).
Page 711, after line 25, add
2437½. **Empoa modesta** (Gibs.)
Gibson, Can. Ent., xlix, p. 184, 1917, *Typhlocyba.*
Locality: Mo.
Page 718, line 17, for Ann. Zool. Bot., read Ann. Mag. Nat. Hist.
Page 720, after line 5, add
Gibson, Bul. Brookl. Ent. Soc., xii, p. 69, 1917 (key to species).
Page 726, line 16, add at end *Loxophora.*
Page 731, after line 14 from bottom, add
Scott, Ent. Mo. Mag., vii, p. 119, 1870.
Page 734, after line 29, add
Scott, Ent. Mo. Mag., vii, p. 121, 1870.
Page 766, after line 4, add
Spinola, Ann. Soc. Ent. Fr., viii, p. 333, 1839, *Delphax.*
Page 773, after line 8 from bottom, add
Scott, Ent. Mo. Mag., vii, pp. 23, 25, 1870.
Page 780, after line 24, add
2803½. **Dicranotrops cubana** Crawf.
Crawford, Proc. U. S. Natl. Mus., xlvi, p. 595, 1914.
Weiss, Ent. News, xxviii, p. 215, 1917.
Localities: N. J. (Cuba.)
Page 781, line 9 from bottom, for 1906 read 1806.

LIST OF WORKS CITED

Abhandlungen der k.k. Zoologisch–Botanischen Gesellschaft in Wien. R8vo, Wien.

Acta Holm. *See* Kongliga Svenska Vetenskaps–Akademien Handlingar.

Acta Societatis Entomologicae Bohemiae. 8vo.

Acta Societatis Scientiarum Fennicae. 4to. Helsingfors.

American Entomologist. R8vo. 3 vols. (Vol. i, St. Louis, 1868; vol. ii, St. Louis, 1870; vol. iii, N. Y., 1880.)

American Journal of Science and Arts. 8vo. New Haven.

American Naturalist, 8vo. New York.

Amyot, Charles Jean Baptiste, *and* Serville, Audinet: Histoire naturelle des Insectes. Hémiptères. (*In* "Suites à Buffon." This series name does not appear on the half-title or title.) 8vo. Paris, 1843.

Anales del Museo Nacional de Buenos Aires. R8vo. Buenos Aires (Anal. Mus. Natl. Buenos Aires).

Anales de la Sociedad Cienifica Argentina. 8vo. Buenos Aires.

Annals of the Carnegie Museum. 8vo. Pittsburg.

Annali del Museo Civico di Storia Naturale di Genova. 8vo. Genoa.

Annals of the Entomological Society of America. 8vo. Columbus.

Annalen des k.k. Naturhistorischen Hofmuseums. R8vo. Wien.

Annals and Magazine of Natural History. 8vo. London.

Annales du Musée du Congo. Zoologie—Serie III, Faune Entomologique de l'Afrique Tropicale. Tome I, Fascicule II, Rhynchota Æthiopica. Folio. Bruxelles.

Annales Historico–Naturales Musei Nationalis Hungarici. R8vo. Budapest.

Annuaire du Musée Zoologique de l'Academie Imperiale des Sciences de St. Petersbourg. 8vo. St. Petersberg.

Annalen des k.k. Naturhistorischen Hofmuseums. R8vo. Wien.

Annales des Sciences Naturelles. 8vo. Paris.

Annales de la Société Entomologique de Belgique. 8vo. Bruxelles.

Annales de la Société Entomologique de France. 8vo. Paris.

Annales de la Société Linnéenne de Lyon. 8vo. Lyons.

Annales Société Scientifique de Bruxelles. 8vo. Brussels.

Arbeiten und Veränderungen der Schleischen Gesellschaft für vaterländische Kultur. 4to. Breslau.

Atti Reale Instituto d'Incoraggiamento alle Scienze Naturali di Napoli. 4to. Naples.

Atkinson, Edwin T.: Catalogue of the Insecta. Order Rhynchota. Suborder Hemiptera–Heteroptera. Family Capsidae. 8vo. Calcutta, 1889. (*From* Journal of the Asiatic Society of Bengal. Vol. lviii Supplement.)

Aulmann, G.: Psyllidarum Catalogus. R8vo. Berlin, 1913.

Baerensprung, Felix von: Catalogus Hemipterorum Europae. Berlin, 1860.

Banks, Nathan: Catalogue of the Nearctic Hemiptera–Heteroptera. 8vo. Phila., 1910.

Berg, Carlos: Hemiptera Argentina enumeravit speciesque novas descripsit. 8vo. Buenos Aires, 1879. *Also:* Addenda et Emendanda, 1884.

Berg, Carl.: Nova Hemiptera faunarum Argentinae et Uryguayensis. 8vo. Bonariae. 1891–1892. (*From.* Anal. Soc. Cient. Argent.)

Berliner Entomologische Zeitung. 8vo. Berlin.

Berthold, Arnold Adolph: Naturliche Familien des Thierrichs. 8vo. Wiemar, 1827. (A German transl. of Latreille, Familles naturelles du régne animal.)

Bihang till Kongliga Svenska Vetskaps–Akademiens Handlingar. 8vo. Stockholm.

Billberg, Gustav Johann: Enumeratio Insectorum in Museo Billberg. 4to. Holm, 1820.

Biologia Centrali Americana. 4to, London. Heteroptera in 2 vols, 1881–1901. Homoptera in 3 vols, 1881–1909.

Blanchard, Emile: Histoire naturelle des Insectes *etc.* 8vo. Paris, 8vo (Hemiptera apparently in vol. iii, 1840).

Bollettino dei Musei di Zoologia ed Anatomia comparata della R. Università di Torino. 8vo. Torino.

Brewster's Edinburgh Encyclopedia. 4to. Edinburgh, 1815. (Hemiptera in Vol. ix. A reprint appeared in 1830 with the same paging and a new American edition in 1832 in which the Insects are in vol. viii.)

Brooklyn Institute of Arts and Sciences, Science Bulletin. 8vo. Brooklyn.

Brues, Charles T. *and* Melander, A. L.: Key to the Families of North American Insects. 8vo. Boston, 1915.

Brullé, Auguste: Expédition Scientific de Morée. Folio. Paris, 1832 (Insects in vol. iii, sec. 2, 1832–33.)

Brullé, Auguste: Histoire Naturelle des Insectes. 8vo. Paris. [Hemiptera in vol. ix, 1835.]

Brunnich, Martin Thrane: Entomologia, sistens Insectorum Tabulas Systematicas, cum Introductione et Inconibus. 8vo. Hafniae, 1764.

Buckton, George Bowdler: A Monograph of the Membracidae, 4to. London, 1901–1903.

Bulletin of the American Museum of Natural History. 8vo. New York.

Bulletin of the Brooklyn Entomological Society. 8vo. Brooklyn.

Bulletin of the Buffalo Society of Natural Sciences. 8vo. Buffalo.

Bulletin of the Illinois State Laboratory of Natural History. 8vo. Peoria.

Bulletin du Muséum d'Histoire Naturelle. 8vo. Paris.

Bulletin of the Natural History Laboratory of the Iowa State Museum. 8vo.

Bulletin de la Société Entomologique de France. 8vo. Paris.

Bullettino Società Entomologica Italiana. 8vo. Firenze.

Bulletin Société Imperiale des Naturalistes. 8vo. Moscou.

Bulletin de la Société des Sciences de Bucarest–Roumanie. Bucarest, 8vo.

Bulletin of the Southern California Academy of Sciences. 8vo. Los Angeles.

Bulletin of the United States Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. 8vo. Washington. Vol. i (containing Nos. 1 and 2, first series, and Nos. 1–6, second series). 1875–1876, vol. iii, 1877; vol. iv, 1878.

Burmeister, Hermann: Genera quaedam Insectorum Iconibus Illustravit et Descripsit. 8vo. Vol. i, 1838–1846.

—Handbuch der Entomologie. 8vo. Berlin, 1835. (Hemiptera in vol. ii, pt. 1; pt. 2 of this volume, 1839, is paged consecutively and contains a few corrections to pt. 1.)

—Zoologischer Hand-Atlas zum Schulgebrauch und Selbstunterricht, *etc.* Imp4to. Berlin, 1860.

Canadian Entomologist. 8vo. London, Ont.

Casopisu Ceske Spolecnosti Entomologicke. *See* Acta Societas Entomologicae Bohemiae.

Cistula Entomologica. 8vo. London.

Colorado State Agricultural College, The Agricultural Experiment Station. Bulletin. 8vo. Fort Collins.

Comptes Rendus des Séances et Mémoires de la Société de Biologie. 8vo. Paris.

Comstock, John Henry, *and* Comstock, Anna Botsford: A Manual for the Study of Insects. 8vo. Ithaca, 1895.

Cooke, Matthew: Injurious Insects of the Orchard, Vineyard, Field, Garden, Conservatory, Household, Storehouse, Domestic Animals, *etc.*, with Remedies for their Extermination. 8vo. Sacramento, 1883.

Coquebert, Antoine Jean: Illustratio Inconographica Insectorum, *etc.* Folio. Paris. (Tab. 1–10, 1799; tab. 11–20, 1801; tab. 21–30, 1804.)

Cornell University Agricultural Experiment Station. Entomological Division. Bulletin. 8vo. Ithaca.

Costa, Achille: Annuario del Museo Zoologico della R. Universita di Napoli. 4to. Napoli.

—Cimicum Regni Neapolitani Centuriae. Sm4to. Napoli, 1838–1852.

Curtis, John: British Entomology, being illustrations and descriptions of the genera of Insects found in Great Britain and Ireland, *etc.* 8vo. 16 vols. London.

Cuvier, Georg Leopold, *etc.* Le Règne Animal. 8vo. 4 vols. Paris, 1817. (A second edition was issued in 1829 and a London edition in English in 1836. These are the only editions indexed here.)

Dallas, William S.: List of the Specimens of Hemipterous Insects in the Collection of the British Museum. 12mo. London. Pt. 1, 1851; pt. ii, 1852.

Decken's Reisen in Ost Afrika in 1859–61. R8vo. Leipzig. 4 vols. in 6. (Insects in vol. iii, pt. 2, 1873.)

De Geer, Carl: Mémoires pour servir à l'histoire des Insectes. Stockholm. 4to. (Hemiptera in vol. iii, 1773.)

Deutsche Entomologische Zeitschrift. 8vo. Berlin.

Distant, William Lucas: A Synonymic Catalogue of Homoptera. Pt. 1, Cicadidae. 8vo. London, 1906.

—Fauna of British India. Rhynchota (in 6 vols.). 8vo.

—A monograph of Oriental Cicadidae. 4to. London, 1889–1892.

Dohrn, Anton: Catalogus Hemipterorum. 12mo. Stettin, 1859.

Donovan, Edward: The Natural History of British Insects, *etc.* 8vo. London. 16 vols., 1792–1813.

Douglas, John William, *and* Scott, John: The British Hemiptera. Vol. i, Hemiptera-Heteroptera. 8vo. London, 1865. (Published as the Ray Society volume for 1865.)

Drury, Drew: Illustrations of Exotic Entomology. 4to. 3 vols. London, 1837–1842. (A new edition of his Illustrations of Natural History, edited by J. O. Westwood. The species dated from earlier edition.)

—Illustrations of Natural History, *etc.* 4to. London. 3 vols. 1770–1782.

Dufour: Léon: Recherches anatomiques et Physiologiques sur les Hémiptères, *etc.* 8vo. Paris, 1833. (*From* Mémoires des Savants étrang. à l'Acad. des Sciences. Vol. iv.)

Duméril, André Marie Constant: Zoologie analytique, ou methode naturelle de classification des animaux, *etc.* 8vo. Paris, 1806.

Échange. 8vo. Paris.

Edwards, James: The Hemiptera Homoptera of the British Islands. 8vo. London, 1896.

Emmons, Ebenezer: Natural History of New York. Agriculture, vol. v, Insects. 4to. Albany, 1854.

Encyclopedia Americana. R8vo. Philadelphia.
Encyclopédie Méthodique. Tomes 3–10, Insectes. 4to. Paris, 1789.
Entomologist. 8vo. London.
Entomologica Americana. 8vo. New York.
Entomologist's Annual. 16mo. London.
Newman's Entomological Magazine. 8vo. London. 5 vols. 1832(1833)–1838.
Entomologiske Meddelelser udgivne of Entomologisk Forening ved Fr. Meinert. 8vo. Kjobenhaven.
Entomologische Mitteilungen. R8vo. Berlin.
Entomological Monthly Magazine. 8vo. London.
Entomologische Nachrichten. 8vo. Berlin.
Entomological News. 8vo. Philadelphia.
Entomologische Rundschau, *etc.* Stuttgart.
Entomologisk Tidskrift. 8vo. Stockholm.
Ersch, Johann Samuel, *and* Grube, J. G.: Allgemeine Encyclopadie der Wissenschaften und Kunst. 4to. Leipzig, 1818–1889.
Eschscholtz, Johann Friedrich: Entomographien. 8vo. Berlin, 1822. (*From* Naturwissenschaftliche Abhandlungen aus Dorpat. Vol. i, for 1823.)
Essig, Edward Oliver: Injurious and Beneficial Insects of California. 2d edition. 8vo. Sacramento, 1915.
Experiment Station Record. 8vo. Washington.
Exploration Scientifique de l'Algérie pendant 1840–1842, *etc.* 8vo and 4to, folio. 25 vols. Paris, 1844–1867. (Insects by Lucas in Zool., vol. 2, pt. 3, 1849.) (Misquoted as **Exped. Alg.**)
Fabricius, Johann Christian: Entomologia Systematics, *etc.* 8vo. Hafniae. (Hemiptera in vol. iv, 1794, and Supplement, 1798.)
—Genera Insectorum, *etc.* 8vo. Chilonii, 1777.
—Mantissa Insectorum, *etc.* 8vo. 2 vols. Hafniae, 1787. (Hemiptera in vol ii.)
—Reise nach Norwegen. 8vo. Bohn, 1779.
—Species Insectorum, *etc.* 8vo. 2 vols. Bohn, 1781. (Hemiptera in vol. ii.)
—Systema Entomologiae, *etc.* Lipsiae, 1775.
—Systema Rhyngotorum, *etc.* 8vo. Brunsvigae, 1803. [An edition of 1801 has been quoted, but probably in error.]
Fallén, Carl Friedrich: Hemiptera Sueciae. 8vo. London, Cimicides, 1829; Cicadariae, 1826.
—Hydrocorides et Naucorides Sueciae. 4to. Lund.
—Monographia Cimicum Sueciae. 8vo. Hafniae, 1807. (Reprint in 1818.)
—Specimen novam Hemiptera disponendi methodum exhibens. 4to. Lund, 1814.
Fauna of British India. *See* Distant, W. L.
Fauna Hawaiiensis. Folio. 3 vols. Cambridge.
Faune de la Russie et des Pays Limitrophes, *etc.* 8vo. St. Petersbourg.
Festschrift für Palmer. 4to. Helsingfors. (Numbers paged separately.)
Fieber, Franz Xavier: Les Cicadines d'Europe. 8vo. 4 pts. Paris. (*From* Revue et Magasin du Zoologie. Pt. 1, in vol. xxvi, 1875; pt. 2, in vol. xxvii, 1876; pt. 3, in vol. xxix, 1878; pt. 4, in vol. xxx, 1879.)
—Entomologische Monographien. 4to. Prag, 1844.
—Die europäischen Hemiptera. 8vo. Wien, 1861. (This was first published in parts, pages 1 to 112 appearing in 1860, the balance in 1861.)
—Genera Hydrocoridum. 4to. Pragae, 1851. (*From* Abhandlungen der König. Böhmischen Gesellschaft der Wissenschaften in Prag.)
—Katalog der Europäischen Cicadinen, *etc.* 8vo. Wien, 1872.
—Rhynchotographieen. 4to. Prag, 1851. (*From* Acten der Königl. Gesellschaft der Wissenschaften. Vol. v, pt. 7.)

—Species Generis Corisa monographice dispositae. 4to. Pragae, 1851. 48 pp., 2 pls. (*From* Abhandl. Kön. Böhm. Gesell. Wissensch. Prag, 1851. Folge 5, vii, pp. 213–260.)

Fitch, Asa: Catalogue with references and descriptions of the Insects collected and arranged for the State Cabinet of Natural History by Asa Fitch. (*From* Fourth Annual Report of the Regents of the University of the State of New York on the State Cabinet of Natural History, Albany, 1851. A reprint can be found in Lintner's 9th Rept. as N. Y. State Entomologist, for 1892.) **Homop. N. Y. St. Cab.**

Flor, Gustav: Die Rhynchotorum Livlands, *etc.* 8vo. 2 vols. Dorpat; vol. i, 1860; vol. ii, 1861.

Forster, Johann Reinhold: Novae Species Insectorum; Centuria I. 8vo. London, 1771.

Fourcroy, Antoine François: Entomologia Parisiensis, *etc.* 16mo. 2 vols. Paris, 1785. (Fourcroy states that the names of the species were furnished by Geoffroy.)

Gay, Claude: Historia fiscia y politica de Chile, *etc.* 8vo. 28 vols. and Atlas, 2 vols. Folio. Paris, 1844–1871.

Genera Insectorum diriges par P. Wytsman. 4to. Bruxelles.

Geoffroy, Etienne Louis: Histoire abrégée des Insectes qui se trouvent aux environs de Paris, *etc.* 4to. Paris, 1762. (A second edition was issued in 1764. Nodier states that certain copies of both editions bear the name of the author. All the copies I have seen are anonymous.)

Germar, Ernst Friedrich: Fauna Insectorum Europae. 8vo. Halae.

Gillette, Clarence P., *and* Baker, Carl F.: A preliminary list of the Hemiptera of Colorado. 8vo. Fort Collins, 1895. (Issued as Bulletin 31 of the Colorado Agricultural Experiment Station.)

Gistel, Johannes: Naturgeschichte des Thierreichs fur höhere Schulen. Folio. Stuttgart, 1848.

Glover, Townend: Manuscript Notes from my journal or illustrations of insects, native and foreign. Order Hemiptera, suborder Heteroptera, or plant bugs. 4to. Washington, 1876. (Privately printed but never published. Dr. Goding quotes a volume on the Homoptera, but I cannot find it mentioned in Dodge's bibliography of Glover.)

Gmelin, Johann Friedrich. *See* Linnaeus, Systema Naturae, edn. 13, 1788.

Gorski, S. B.: Analecta Entomographiam provinciarum occidentali–meridionalium Imperii Rossici. Fasc. 1. sm4to. Berlin, 1852.

Griffith: The Animal Kingdom by the Baron Cuvier with additional descriptions of species by E. Griffith and others. (Partial title.) 8vo. 16 vols. London, 1827–1835.

Guerin's Dictionnaire pittoresque d'histoire naturelle et des phénomènes de la Nature, *etc.* 4to. 9 vols. Paris, 1833–1839. (A second edition appeared in 1843–1845 entitled Nouveau Dictionnaire classique d'histoire naturelle, *etc.*)

Guerin-Meneville, Felix Edouard, *and* Percheron, Achille Melchior: Genera des Insectes ou exposition detaillée de tous les charactères propres à chacun des genres de cette classe d'animaux. 8vo. 6 livr. Paris, 1835–1838.

Guérin-Méneville, Félix Edouard: Iconographie du Règne Animal de G. Cuvier, *etc.* 8vo. Paris, 1829–1844. (Insects in pt. 7, 1843.)

—Voyage autour du monde . . . sur . . . la Coquille, pendant . . . 1822–1825. . . . Par M. L. I. Duperry, *etc.* 4to and folio. Paris, 1826–1830. (Insects by Guerin. This part was not published until 1838.)

Hahn, Carl Wilhelm: Icones ad Monographiam Cimicum. 12mo. Nürnberg. 1826.

—Die Wanzenartigen Insecten. 8vo. Nürnberg; vol. i, 1831; vol. ii, 1834; vol. iii, to p. 32, 1835. (For balance of work see Herrich-Schaeffer.)

Haldeman, S. S.: Stansbury's Exploration and Survey of the Great Salt Lake of Utah. 8vo. Phila., 1852.

Handlirsch, Anton: Die Fossilen Insekten und die Phylogenie der rezenten Formen. Leipzig, 1908.

Harriman Alaska Expedition. R8vo. Wash. (Vol. viii, Insects, 1904.)

Harris, Moses: An Exposition of English Insects, *etc.* 4to. London, 1776.

Harris, Thaddeus William: A Report on the Insects of Massachusetts Injurious to Vegetation. 8vo. Cambridge, 1841.

—A Treatise on some of the Insects Injurious to Vegetation. 3d edn. 8vo. Boston, 1862. (A second edition with about the same title was published in 1852.)

Hawaiian Sugar Planters' Association. Report of the work of the Experiment Station; Division of Entomology, Bulletin. 8vo. Honolulu.

Heer, Oswald: Die Insektenfauna der Tertiärgebilde von Oeningen und von Radoboj in Crotien, *etc.* 4to. Leipzig, 1853. (Seems also to have been published in Allgemeine Schweizerische Gesellschaft, *etc.* Neue Denkschriften, xiii, Zurich, 1853.)

Heilprin, A.: The Bermuda Islands. 8vo. Philadelphia, 1889.

Herrich-Schäffer, Gottlieb August Wilhelm: Nomenclator Entomologicus. Verzeichniss der europäischen Insecten, *etc.* Heft i, Lepidoptera und Hemiptera. 16mo. Regensburg, 1835.

—Die Wanzenartigen Insecten. 8vo. Nürnberg; vol. iii, from p. 33, 1836; vol. iv, 1839; vol. v, 1839; vol. vi, 1842; vol. vii, 1844; vol. viii, 1848; vol. ix, 1853; *and* Verzeichniss, 1853. (For early volumes see Hahn.)

Hitchcock: Report on the Geology, Mineralogy, Botany, and Zoology of Massachusetts. 2d ed. 8vo. Amherst, 1835. (1st edn. in 1833.)

Hope, Frederic William: A Catalogue of Hemiptera in the Collection of Rev. F. W. Hope, with short Latin descriptions of the new species. 8vo. London, 1837. Pt. II, London, 1842. (Pt. II states that the descriptions are by J. O. Westwood.) **Hope Cat.**

Horae Societatis Entomologicae Rossicae. 8vo. St. Petersburg.

Horvath, Geza: Monographia Lygaeidarum Hungariae. Budapest, 1875. (**Monog. Lygaeidae.**)

—Schneider, Naturwissenschaftliche Beiträge zur Kenntniss der Kaukasusländer, *etc.* Dresden, 1878 (1879).

—Synopsis Tingitidarum Regionis Palaearcticae. 8vo. Budapest, 1906. (*From* Annales Musei Nationalis Hungarici, vol. iv, pp. 1–118, pl. 1.)

Houttin, Martin: Naturlyke Historie of uitvoerige beschryving der Dieren, Planten en Mineraalen, volgens het sammenstel van den Heer Linnaeus. 8vo. Amsterdam. Insects, pt. 9, 1766–pt. 13, 1769 (Reuter says 1765).

Howard, Leland O.: The Insect Book, etc. R8vo. New York, 1908.

Hüeber, Th.: Catalogue Insectorum Faunae Germanicae; Hemiptera, Heteroptera. 8vo. Berlin, 1902.

—Synopsis der deutschen Blindwanzen. 8vo. Stuttgart. (*From* Jahreshefte des Vereins für vaterländische Naturkunde in Wüttemberg. I, vol. l, 1894; II, vol. lii, 1897; III, vol. liv, 1898; IV, vol. lv, 1899; V, vol. lvi, 1900; VI, vol. lvii, 1901; VII, vol. lviii, 1902.)

Humboldt, F. H. A. von, *and* Bonpland, A. J. A.: Voyage aux Régions Equinoxiales du Nouveau Continent, fait en 1799–1804, *etc.* Pt. II, Recueil d'observations de Zoologie et d'Anatomie Comparée. 4to. 2 vols. Paris, 1805–1812. (Kirkaldy says 1833 for ii, p. 105, but Sherborn, Ann. Mag. Nat. Hist., ser. 7, iii, p. 428, says 1817.)

Illinois State Entomologist, Report of (*see* Report, *etc.*)

Indian Museum Notes. 8vo. Calcutta.

Indiana Department of Geology and Natural Resources. Annual Report. 8vo. Indianapolis.

Insect Life. 8vo. Washington.

Invertebrata Pacifica. Edited by C. F. Baker. 8vo. Pomona and Santiago de Cuba. (Vol. i, pp. 1–197, 1903–1907; apparently no more published.)

Iowa Agricultural College, Experiment Station, Bulletin. 8vo. Ames.

Iowa Agricultural Experiment Station, Bulletin. 8vo. Ames.

Iowa State Agricultural Society, Report. 8vo. Ames.

Jaeger, B.: The Life of North American Insects. 12mo. New York, 1855 (and later editions).

Jahres-Bericht der Schlesichen Gesellschaft für vaterlandische Cultur. 8vo. Breslau. (Title as used reversed by Atkinson.)

Jahresbericht der zoologischen Section des westfällischen provinzial-Vereins (Versammlung) für Wissenschaft und Kunst. Münster.

Journal of the Academy of Natural Sciences of Philadelphia. 8vo (second series in 4to). Philadelphia.

Journal of Agricultural Research. R8vo. Washington.

Journal of the Asiatic Society of Bengal. 8vo. Calcutta.

Journal of Bombay Natural History Society. 8vo. Bombay.

Journal of the Cincinnati Society of Natural History. 8vo. Cincinnati.

Journal of Economic Entomology. 8vo.

Journal of the Elisha Mitchell Scientific Society. 8vo. Chapel Hill, N. C.

Journal of Entomology and Zoology. R8vo. Claremont. (Vol. 5, 1913–date. *Continues* Pomona Journal of Entomology.)

Journal of the Linnean Society. Zoology. 8vo. London.

Journal of the New York Entomological Society. 8vo. New York.

Journal of the New York Microscopical Society. 8vo. New York.

Journal of the Quekett Microscopical Club. 8vo. London.

Kansas University Science Bulletin. R8vo. Lawrence.

Kirby, William, *and* Spence, William: An Introduction to Entomology or Elements of the Natural History of Insects. 4th ed. 8vo. London, 1822–1826.

Kirby, William: Richardson's Fauna Boreali Americana. 4to. Norwich. (Insects in vol. iv, 1837.)

Kirkaldy, George W.: Catalogue of the Hemiptera (Heteroptera) with biological and anatomical references, *etc.* Vol. I, Cimicidae. 8vo. Berlin, 1909. (All published.)

Kirschbaum, C. L.: Die Athysanus-Arten der Gegend von Wiesbaden. 4to. Wiesbaden, 1858. (Der Wetterauischen Gesellschaft für die gesammte Naturkunde zur Feier ihres Fünfzigjährigen Bestehens, *etc.*)

—Die Cicadinen der gegend von Wiesbaden und Frankfurt A.M. 8vo. Wiesbaden, 1868. (*From* Jahrbüchern des Nassauischen Vereins für Naturkunde, xxi u. xxii.)

—Die Gattung Idiocerus und ihre europäischen Arten. (*From* Programm mit welchem zur öffentlichen Prüfung und Schlussfeierlichkeit des Königlichen Gymnasiums zu Wiesbaden auf den 6. und 7. April 1868. 4to. Wiesbaden, 1868.

Kirschbaum, C. L.: Die Rhynchoten der Gegend von Wiesbaden. Erstes Heft, die Capsinen. 8vo. Wiesbaden, 1855. (*From* "Jahrb. des Vereins fur Naturkunde im Herzogth. Nassau. Heft x, pp. 161–348, 1855.")

Klug, Johann Christoph Friedrich: Symbolae physicae. Folio. Berolini, 1829–1845.

Knight, H. H.: A Revision of the Genus Lygus as it occurs in America North of Mexico, with biological data on the species from New York. (This paper will soon appear as Bulletin 391 of the Cornell University Agricultural Experiment Station. It will include many new species which are listed in the "Additions.")

Kolenati, Friedrich A.: Meletemata Entomologica. 8vo. Petropoli, 1845–1859.

Kongliga Svenska Vetenskaps-Akademien Handlingar. 4to. Stockholm.

Krøyer: Naturhistorisk Tidsskrift. 8vo. Kjøbenhavn.

Lamarck, Jean Baptiste: Histoire naturelle des animaux sans vertèbres. 8vo. Paris, 1815–1822. (Hemiptera in vol. iii, 1816.)

—Systeme des animaux sans vertèbres, *etc.* 8vo. Paris, 1801.

Laporte, F. L. de: Essai d'une classification systématique de l'ordre des Hémiptères (Hémiptères-Hétéroptès Latr.) 8vo. (*From* Guerin, Magasin Zoologique, Nos. 52–55, 1832.)

Latreille, Pierre André: Considérations générales sur l'ordre naturel des animaux, *etc.* 8vo. Paris, 1810.

—Familles Naturelles du Règne Animal. 8vo. Paris, 1825.

—Genera Crustaceorum et Insectorum, etc. 8vo. Paris. (Hemiptera in vol. iii, 1807.)

—Histoire naturelle, générale et particulière des Crustacés et des Insectes, *etc.* 8vo. Paris. Vol. iii, X (1802); vol. xii, XII (1804).

—Précis des Caractères génériques des Insectes, *etc.* 8vo. Bordeaux, An 5 (1796 or 1797).

Lethierry, Lucien, *and* Severin, G.: Catalogue Général des Hémiptères. 8vo. 3 vols. Bruxelles, 1893, 1894, 1896.

Linnaeus, Carl: Amoenitates Academicae seu dissertationes physicae, medicae, *etc.* 8vo. 7 vols. Holminae, 1749–1869.

—Centuria Insectorum Rariorum. 4to. Upsala, 1763.

—Fauna Suecica, *etc.* Editio altera auctior. 8vo. Stockholm, 1761.

—Mantissa Plantarum altera, *etc.* 8vo. Holm, 1771.

—Systema Naturae per Regna Tria Naturae, *etc.* Editio decima, reformata. Tomus I. Holmiae, 1758. 8vo. (Most of the references were taken from the Engelmann facsimilae reprint of 1894. 8vo. Leipzig.)

—Systema Naturae. Ed. 12. 8vo. Holmiae. (Hemiptera in vol. I, pt. 2, 1767.)

—Systema Naturae. Ed. 13, reformata cura Joa. Frid. Gmelin. 8vo. Lipsiae. (Hemiptera in vol. I, pt. 4, 1788. This is the date on pt. 1. The other parts of vol. I are without date. Many authors quote 1789 for part 4, but I have been unable to trace any authority for this, although it may be the correct date; a copy in the original wrappers would probably settle this point. An English translation by W. Turton was published in London, the volume containing Hemiptera in 1806, but it has been rarely quoted here.)

Linnea Entomologica. 8vo.

Lord's Naturalist in Vancouver's Island. 8vo. 2 vols. London, 1866.

Lucas, Hipplyte. *See* Exploration Scientifique de l'Algerie.

MacLeay, William Sharp: Horae Entomologicae or Essays on the Annulose Animals. 8vo. London, 1819–1821.

Magazin der Entomologie, herausg. von E. F. Germar. Sm8vo. Halle.

Magazin für Insectenkunde. 8vo. Braunschweig.
Magazine of Natural History, *etc.* 8vo. London.
Maine Agricultural Experiment Station Bulletin. 8vo. Orono.
Massachusetts Fish and Game Commission, Report. 8vo. Boston.
Massachusetts State Board of Agriculture, Reports. 8vo. Boston.
Mayr, Gustav L.: Reise der Osterreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859. Zoologischer Theil. Zweiter Band. I. Abtheilung. B. 2, Hemiptera. 4to. Wien, 1868.
Mayr, P. Matthaeus: Tabellen zum Bestimmen der Familien und Gattungen der Cicadinen von Centraleuropa, *etc.* 8vo. Innsbruck, 1884. (*From* Programmen des k.k. Gymnasiums von Hall.)
Meddelanden Societas pro Fauna et Flora Fennica. 8vo. Helsingfors. (*From* 1876.)
Melichar, Leopold: Cicadinen (Hemiptera-Homoptera) von Mittle-Europa. 8vo. Berlin, 1896.
—Homopteren Fauna von Ceylon. 8vo. Berlin, 1903.
Mémoires de la Société Entomologique de Belgique. 8vo. Bruxelles.
Meyer-Dür, L. R.: Verzeichness der in der Schweiz einheimischen Rhynchoten. 8vo. Solothurn, 1843.
Michigan Agricultural Experiment Station, Bulletin. 8vo. Lansing.
Mittheilungen des naturwissenschaftlichen Vereines für Steiermark. 8vo. Gratz.
Mitthielungen der Schweizerischen Entomologischen Gesellschaft. 8vo. Schauffhausen.
Monthly Bulletin of the (California) State Commission of Horticulture. 8vo. Sacramento.
Moufet, Thomas: Insectorum sive minimorum Animalium Theaturm, *etc.* Folio. London, 1634.
Müller, Otto Friedrich: Manipulus Insectorum Taurinensium. Turin, 1766.
—Zoologiae Danicae Prodromus. 8vo. Mafniae. 1776.
Müller, Philip Ludvig Statius: Vollständiges Natursystem des Ritter Carl von Linné mit einer Erklärung. 8vo. Nurnberg. (Hemiptera in vol. v, 1774.)
Mulsant, Etienne, *and* Rey, Claudius: Histoire naturelle des Punaises de France. 8vo. 5 parts. Paris. (Pt. i, 1865; pt. ii, 1866; pt. iii, 1870; pt. iv, 1873; pt. v, 1879.)
Museum of the Brooklyn Institute of Arts and Sciences, Science Bulletin. 8vo. Brooklyn.
(La) Naturaleza. Folio. Mexico.
Naturaliste Canadien. 8vo. Quebec.
Naturhistorisk Tidsskrift. 8vo. Kjøbenhavn.
Natuurkundige Tijdschrift. 8vo. Arnheim.
New Jersey Agricultural Experiment Station, Bulletin. 8vo. New Brunswick.
New Mexico College of Agriculture and Mechanic Arts. Agricultural Experiment Station, Bulletin. 8vo. Mesilla Park.
New York Agricultural Experiment Station, Technical Bulletin. 8vo.
New York State Entomologist: Annual Reports. 8vo. Albany. *See* Rept. N. Y. State Entomologist.
New York State Museum, Memoirs. 4to. Albany.
North American Fauna. 8vo. Washington.
Notes from the Leyden Museum. 8vo.
Notiser Sällskapets pro Fauna et Flora Fennica. 4to and 8vo. Helsingfors, 1821–1874. (*Continued* as Societas, *etc.*).
Noveau Dictionnaire d'Histoire Naturelle appliquée aux Arts *etc.* par une Société de Naturalistes et d'Agriculteurs. 8vo. 24 vols. Paris.

Novitates Zoologicae. 4to. London.
Öfversigt af Finska Vetenskaps-Societetens Förhandlingar. 8vo. Helsingfors.
Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar. 8vo. Stockholm.
Ohio Journal of Science. 8vo. Columbus.
Ohio Naturalist. 8vo. Columbus.
Ohio State University Bulletin. 8vo. Columbus.
Opuscula Entomologica. Edited by C. G. Thomsom. 8vo. (In 22 parts.) 1869–1897.
d'Orbigny, Alcide Charles Victor Dessalines: Dictionnaire universel d'Histoire Naturelle. 8vo. Paris, 1839 (1849).
Oshanin, B. F.: Katalog der Paläarktischen Hemipteren. 8vo. Berlin, 1912.
—Verzeichnis der Palaearktischen Hemipteren, etc. 8vo. 3 vols. St. Petersburg, 1906–1910.
Ottawa Naturalist. 8vo. Ottawa.
Packard, Alphaeus Spring: Fifth Report of the United States Entomological Commission. 8vo. Washington, 1890.
—Guide to the Study of Insects. 8vo. Salem, 1869. (Many later editions were published, but they have not been indexed here.)
Palisot de Beauvois, Ambroise Marie François Joseph: Insectes recueillis en Afrique et en Amerique dans les royaumes d'Oware a Saint-Domingue et dans les etats-unis pendant les annes 1781–1797. Folio. Paris, 1805–1821.
Panzer, Georg Wolfgang Franz: Faune Insectorum Germanicae, *etc.* 8m8vo. (Heft 1, 1793, to 109, 1813, by Panzer; heft 110, 1829, to 190, 1844, by Herrich-Schaeffer.)
—Schaefferi Iconum Insectorum, *etc.* 4to. Erlangae, 1804.
Perty, Maximillian: Delectus Animalium articulatorum, *etc.* 4to. Monachii. 1830–1834.
Petites Nouvelles Entomologiques. 4to. Paris.
Philippine Journal of Science. R8vo. Manila.
Poda von Neuhaus, Nicolaus: Insecta Musei Graecensis, *etc.* 12mo. Widmanstad, 1761.
Pomona Journal of Entomology. R8vo. Claremont. (Vol. 1–4, 1909–1912. *Continued as* Journal of Entomology and Zoology.)
Prairie Farmer. A weekly journal, *etc.* Folio. Chicago. (It is possible that species published in this journal will have to be considered as invalid.)
Proceedings of the Academy of Natural Sciences of Philadelphia. 8vo. Philadelphia.
Proceedings of the American Association for the Advancement of Science. 8vo. Salem.
Proceedings of the American Entomological Society. 8vo. Philadelphia.
Proceedings of the Biological Society of Washington. 8vo. Washington.
Proceedings of the Boston Society of Natural History. 8vo. Boston.
Proceedings of the California Academy of Sciences. 8vo. San Francisco.
Proceedings of the Davenport Academy of Sciences. 8vo. Davenport.
Proceedings of the Entomological Society of Philadelphia. 8vo. Philadelphia.
Proceedings of the Entomological Society of Washington (D. C.) 8vo. Washington.
Proceedings of the Hawaiian Entomological Society. 8vo. Honolulu.
Proceedings of the Iowa Academy of Science. 8vo. Des Moines.
Proceedings of the Linnaen Society of New South Wales. 8vo. Sidney.
Proceedings of the United States National Museum. 8vo. Washington.
Proceedings of the Washington Academy of Sciences. 8vo. Washington.
Proceedings of the Zoological Society of London. 8vo. London.

Provancher, Leon: Petite Faune Entomologique du Canada. Vol. iii, Hémiptères. 8vo. Quebec.

Psyche. 8vo. Boston.

Puton, A.: Catalogue des Hémiptères de la Faune Paléarctique. Ed. 3. 8vo. Caën, 1886. (I have not seen the second edition published in 1875.)

—Synopsis des Hémiptères Hétéroptères de France. 8vo. Paris. (Vol. i, pt. 1, 1878, pts. 2 and 3, 1879; vol. ii, pt. 4, 1881.)

Rambur, J. Pierre: Faune entomologique de l'Andalousie. 8vo. Paris, 1842.

Rathvon: Mombert's History of Lancaster County, Pennsylvania. 8vo. Lancaster, 1869.

Réaumur, René Antoine Ferchault de: Mémoires pour servir à l'histoire des Insectes. 4to. 7 vols. Paris, 1734–1742.

Reiche et Fairmaire. *See* Voyage en Abyssinie.

Report on the Scientific Results of the Voyage of H. M. S. Challenger during the years 1873–76. Zoology. Large 4to. London.

Reports of the Forest, Fish, and Game Commissioner of the State of New York. 4to. Albany.

Report of the Entomological Society of Ontario. 8vo. Toronto.

Report of the State Entomologist on the Noxious and Beneficial Insects of Illinois. 8vo. Champaign. (**Rept. Ill. St. Ent.**)

Report of the Iowa Academy of Science. 8vo. Des Moines.

Report of the Iowa State Agricultural Society. 8vo. Des Moines.

Report on the Injurious and other Insects of the State of New York. 8vo. Albany. (**Rept. N. Y. St. Ent.**)

Report of the Commissioner of Agriculture. 8vo. Washington. (**Rept. U. S. Dept. Agr.**)

Resoconti Societa Entomologica Italiana (*in* Atti della Societa Italiana Scienziati Italiani).

Retzius, Andreas Johann: Caroli De Geer Genera et Species Insectorum, *etc.* 8vo. Lipsiae, 1783.

Reuter, Odo Morannal: Capsinae ex America boreali in Museo Holmiensi asservatae, descriptae. 8vo. Stockholm, 1876. (*From* Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar. Vol. xxxii.)

—Genera Cimicidarum Europae disposuit. 8vo. Stockholm. (*From* Bihang till K. Svenska Vetenskaps-Akademiens Handlingar. Vol. iii, No. 1.)

—Hemiptera Gymnocerata Europae. 4to. Helsingfors. (*From* Acto Societatis Scientiarum Fennicae: I, vol, xiii, 1878 (vol. dated 1884); II, vol. xiii, 1879; III, vol. xiii, 1883; IV, vol. xxiii, 1891; V, vol. xxxiii, 1896.)

—Monographia Anthocoridarum orbis Terrestris. 4to. Helsingfors, 1884. (*From* Acta Societatis Scientiarum Fennicae ,vol. xiv.)

—Monographia generis Oncocephalus Klug. proximeque Affinium. 4to. Helsingfors, 1882. (*From* Acta Societatis Scientiarum Fennicae, vol. xii.)

—Bemerkungen ueber Nearktische Capsiden nebst Beschreibung neuer Arten. 4to. Helsingfors, 1909. (*From* Acta Societatis Scientiarum Fennicae, vol. xxxvi, No. 2.)

—Revisio critica Capsinarum praecipue Scandinaviae et Finniae. 8vo. 2 pts. Helsingfors, 1875.

—Revisio Synonymica Heteropterorum Palaearcticorum, *etc.* 4to. Helsingfors, 1888. (*Also in* Acta Societatis Scientiarum Fennicae, vol. xv, 1888.)

Revista Chilena de historia natural, Organo del Museo de Valpariso.

Revue d'Entomologie. 8vo. Caen.

Revue et Magasin de Zoologie. 8vo. Paris.

Revue Russe d'Entomologie. 8vo. St. Petersburg.

Revue Zoologique Africaine. R8vo. Bruxelles.

Riley, Charles Valentine: Annual Report on the Noxious, Beneficial and Other Insects of the State of Missouri. 8vo. Jefferson City, Mo. (Nine reports, quoted by number and date.)

Ross: Narrative of a Second Voyage in search of a North-west Passage, and of a residence in the Arctic Regions during 1829–1833, *etc.* 4to. 2 vols. London, 1835.

Rossi, Peter: Fauna Etrusca. 4to. 2 vols. Liburni. 1790.

Sagra, Ramon de la: Historia fisica, politica y natural de la Isla de Cuba. Folio. Paris. (Insects in vol. vii, 1857.)

Sahlberg, John: Öfversight af Finlands och den Skandinaviska halföns Cicadariae. 8vo. Helsingfors.

Sahlberg, Reinhold Ferdinand: Monographia Geocorisarum Fenniae. Helsingfors, 1848.

Saunders, Edward: The Hemiptera-Heteroptera of the British Islands. 8vo. London, 1892.

—Synopsis of the British Hemiptera-Heteroptera. 8vo. London. (*From* Transactions of the Entomological Society of London.)

Saunders, William: Insects Injurious to Fruits. 12mo. Philadelphia, 1883.

Say, Thomas: American Entomology. 8vo. 3 vols. Philadelphia (vol. i, 1824; vol. ii, 1825; vol. iii, 1828. Reprinted in vol. i of Say's Complete Works.)

—The Complete Writings of Thomas Say on the Entomology of North America. Edited by John L. Leconte, M.D. 8vo. 2 vols. New York.

—New Species of North American Insects found by Joseph Barabino, Chiefly in Louisiana. 8vo. New Harmony, La., 1832. (As reprinted in Say's Complete Writings.) **Ins. of La.**

—Keating's narrative of an expedition to the source of St. Peter's River, Lake Winnepeck, Lake of the Woods, under Command of Major Long, 1823. 8vo. Phila., 1824. (**Long's 2d Exped.**)

—Descriptions of new species of Heteropterous Hemiptera of North America. 8vo. New Harmony, Ind., 1831. (Pp. 1–8 only were issued in 1831, the balance in 1832. This was reprinted by Fitch in his fourth Report, Trans. N. Y. St. Agr. Soc., vol. xvii, 1857.)

Schellenberg, Johann Rudolf: Das Geschlecht der Land- und Wasserwanzen in der Schweiz nach Familien geordnet. 8vo. Zurich, 1800.

Schilling, Peter Samuel: Beiträg zur Entomologie Schlesiens. 8vo. 1829.

Schrank, Frank von Paula: Enumeratio Insectorum Austriae Indigenorum. 8vo. 1781.

—Fauna Boica. 8vo. Nürnberg. 3 vols. in 6, 1798–1804.

Schriften der Naturforschenden Gesellschaft in Danzig. 8vo. Danzig.

Science. Sm4to. N. Y.

Scopoli, Johann Anton: Annus historico naturalis. 8vo. Lipsiae. (Annus V, 1772.)

—Deliciae faunae et florae insubricae, *etc.* Folio. St. Salvatoris, 1786–1788.

—Entomologia Carniolica, *etc.* 8vo. Vindobonae, 1763.

Scholtz, Heinrich: Prodromus zu einer Rhynchoten-Fauna von Schlesien. 4to. Breslau, 1846. (*From* Uebersicht der Arbiten und Veranderungen Schlesische Gesellschaft für vaterlandische Cultur.)

Silbermann's Revue Entomologique. 8vo. Paris.

Sitzungsberichte der Koeniglich-Boehmische Gesellschaft der Wissenschaften, Mathematisch-naturwissenschaftliche Classe. 8vo. Prag.

Sitzungs-Berichten der Gesellschaft naturforschender Freunde zu Berlin. 8vo. Berlin.

Skrifter af naturhistorie Selskabet Kjöbenhavn.

Smith, John B.: Catalogue of Insects found in New Jersey. 8vo. Trenton. (1st edn. 1890; 2d edn. (entitled Insects of New Jersey, *etc.*), 1900; 3d edn. (entitled Annual Report of the New Jersey State Museum, including a Report on the Insects of New Jersey), 1910.

Societas entomologica. 4to. Berlin.

Societe d'Histoire naturelle du Department de la Moselle, Bulletin. 8vo. Metz.

Spangberg, Jacob: Species Gyponae Generis Homopterorum. 8vo. Stockholm, 1878. (*From* Bihang till Kongl. Svenska Vet. Akad. Handlingar. Vol. v.)

Spinola, Marchese Maximilian: Di alcuni generi d'Insetti Arthrodignati nouvament propositi. 4to. Modena, 1852. (*From* Mem. di Matem. e di Fis. Soc. Ital. Modena. Vol. 25.)

—Essai sur les Insectes Hémiptères, Rhyngotes, ou Hétéroptères. 8vo. Paris, 1840. (The 1837 edition, sometimes quoted, seems to refer to the following title: "Essais sur les Genres d'Insectes appartenants à l'Ordre des Hémiptères Linn., ou Rhyngotes Fabr. à la section des Hétéroptères Dufour. 8vo. Genes, 1837.")

—Tavola Sinottica, *etc.* 4to. Modena, 1850. (*From* Mem. di Matem. e di Fis. Soc. Ital. Modena, vol. xxv, 1852.)

Stål, Carl: Enumeratio Hemipterorum. 4to. Stockholm. (*From* Kongl. Svenska Vetenskaps-Akademiens Handlingar. Pt. I, in vol. 9, No. 1, 1870; pt. II, in vol. 10, No. 4, 1872; pt. III, in vol. 11, No. 2, 1873; pt. IV, in vol. 12, No. 1, 1874; pt. V, in vol. XIV, No. 4, 1876.)

—Kongliga Svenska Fregattens Eugenies resa omkring Jorden. 4to. Stockholm. (Zoologi. iii, Insekter. 1859.)

—Hemiptera Africana. 8vo. 4 vols. Holmiae, 1864–1866.

—Hemiptera Fabriciana. 4to. Stockholm. (*From* Kongl. Svenska Vetenskaps-Akademiens Handlingar. Pt. I, *in* vol. 7, 1868; pt. 2, *in* vol. 8, 1869.)

—Bidrag till Rio Janeiro-Trakens Hemipter-Fauna. 4to. Stockholm. (*From* Kongliga Svenska Vetenskaps-Akademiens Handlingar; pt. 1, *in* vol. 2, 1860; pt. 2 *in* vol. 3, 1862.)

Standard Natural History. R8vo. Cambridge. (Article "Hemiptera" in vol. II, 1884.)

Stansbury: Exploration and Survey of the Valley of the Great Salt Lake of Utah, *etc.* 8vo. Washington, 1853. (Hagen quotes a Philadelphia, 1852, edition of the Insect part.) **(Exped. Gt. Salt Lake.)**

Stephens, James Francis: A Systematical Catalogue of British Insects, *etc.* 8vo. London, 1829.

—The Nomenclature of British Insects, being a Compendious List of such species as are contained in the Systematic Catalogue of British Insects. 8vo. London, 1829.

Stettiner entomologische Zeitung. 8vo. Stettin.

Stoll, Caspar: Representation exactment coloriee d'apres Natur des Cigales et des Punaises, *etc.* Sm.4to. Amsterdam, 1780 (1788), 1790. (Vol. i, Cigales, 1788; vol. ii, Punaises, 1790.) *Also* a German translation: Des Herrn Caspar Stoll natürliche und nach dem Leben gemalte Abildungen und Beschreibungen der Cicaden und Wanzen und anderer damit verwandten Insecten aus Europa, Asia, Africa und America. Sm.4to. Nürnberg. 7 hefte, Cicaden, 1781; Wanzen, 1792. (References to both editions will be found in the catalogue.)

Sulzer, Johann Heinrich: Die Kennzeichen der Insekten. Sm.4to. Zurich, 1761.

Swezey, Otto H.: A Preliminary Catalogue of the described Species of the Family Fulgoridae of America North of Mexico. 8vo. Springfield, Ohio, 1904. (*In* Ohio Department of Agriculture, Division of Nursery and Orchard Inspection, Bulletin No. 3.)

Tennessee State Board of Entomology, Bulletin. 8vo. Knoxville.

Természetrajzi Füzetek. R8vo. Budapest.

Then, Franz: Katalog der österreichischen Cicadinen. Wien, 1886. (*From* Programm des k.k. Theresianischen-Gymnasiums in Wien.

Thon's Entomologische Archiv. 4to. 2 vols. Jena, 1827–1830.

Thunberg, Carl Peter: Characteres Generum Insectorum variis cum adnotationibus; denuo edidit Frid. Alb. Ant. Meyer. 16mo. Gottingne, 1791.

—Dissertatio Entomologica novas Insectorum species sistens. 4to. 6 pts. Upsala, 1781–1791.

Tijdschrift voor Entomologie. 8vo. Haarlem.

Tigny, F. M. G. T. de: Histoire naturelle des Insectes, *etc.* 12mo. Paris. (Vol. 10, 1802.)

Transactions of the American Entomological Society. 8vo. Philadelphia.

Transactions of the Entomological Society of London. 8vo. London.

Transactions of the Illinois State Agricultural Society. 8vo. Springfield.

Transactions of the Kansas Academy of Sciences. 8vo. Topeka.

Transactions of the Linnean Society of London. 4to. London.

Transactions of the Maryland Academy of Sciences. 8vo. Baltimore.

Transactions of the N. Y. State Agricultural Society. 8vo. Albany.

Transactions of the New Zealand Institute. 8vo. Wellington.

Transactions of the San Diego Society of Natural History. 8vo. San Diego.

Transactions of the Sapporo Natural History Society. R8vo.

Turton, W. *See* Linnaeus, Systema Naturae, edn. 13, English transl., 1806.

Tyneside Naturalists Field Club. Transactions and Proceedings. 8vo.

Uhler, Philip Reese: Check List of the Hemiptera Heteroptera of North America. 8vo. Brooklyn, 1886.

—Hemiptera of Colorado. *See* Gillette and Baker.

—Preliminary Report of the United States Geological Survey of Wyoming and portions of contiguous Territories; being a second annual report of progress. 8vo. Washington, 1872. (**Hayden's Surv. Terr., Rept. for 1870.**)

—Preliminary Report of the United States Geological Survey of Montana and portions of adjacent Territories; being a fifth annual report of progress. 8vo. Washington, 1872. (**Hayden's Surv. Terr., Rept. for 1871.**)

United States Department of Agriculture, Division of Entomology, Bulletin. 8vo. Washington. (Later numbers entitled Bureau of Entomology.)

United States Department of Agriculture, Farmers' Bulletin. 8vo. Washington.

United States National Museum, Bulletin. 8vo. Washington.

University of California Publications, Division of Entomology, Technical Bulletin. 8vo. Berkeley.

University of Colorado Studies. 8vo. Boulder.

University of Illinois Agricultural Experiment Station. 8vo. Urbana.

University of Nebraska Studies. 8vo.

Van Duzee, Edward Payson: Check List of the Hemiptera (excepting the Aphididae, Aleurodidae, and Coccidae) of America North of Mexico. 8vo. New York, 1916.

Verhandlungen der kaiserlich-königlichen Zoologische-Botanischen Gesellschaft in Wien. 8vo. Wien.

Verhandlungen des Naturforschenden Vereines in Brünn. 8vo. Brünn.

Verhandlungen des Naturhistorischen Vereins der Preussische Rheinlande und Westphalens. 8vo. Bonn.

Verslagen en Mededeelingen der Koniklijike Akademie van Wetenschappen, Letterkunde, en Schoone Kunsten te Amsterdam. 8vo. Amsterdam,

Villers, Charles Joseph de: Caroli Linnaei Entomologia, *etc.* 8vo. 1789.

Vollenhoven, S. C. Snellen van: Essai d'une Faune Entomologique de l'Archipel Indo-Néerlandais. Folio. Pt. I, Scutellerides, 1863; pt. III, Pentatomides, 1868.

—Hemiptera Heteroptera Neerlandica. 8vo. s'Gravenhage, 1878. (Compiled from articles published in Tijdschrift voor Entomologie.)

Voyage en Abyssinie dans les provinces du Tigré, du Samen et de l'Amhara... par MM. Ferret et Galinier. 8vo. 3 vols. and atlas. Paris, 1847–1848. (Entomology, which seems to have been published in 1850, is included in vol. iii).

Walckenaer, Charles Athanasie de: Faune Parisienne, Insectes. 8vo. 2 vols. Paris, 1802.

Walker, Francis: Catalogue of the Specimens of Heteropterous-Hemiptera in the Collection of the British Museum. 8vo. 8 vols. London. Pts. 1–2, 1867; pt. iii, 1868; pt. iv, 1871; pt. v, 1872; pts. vi, vii, viii, 1873.

—Insecta Saundersiana, *etc.* Homoptera. 8vo. London, 1858.

—List of the Specimens of Homopterous Insects in the Collection of the British Museum. 12mo. 4 parts (paged consecutively). London, 1850, 1852, *and* Supplement, 1858.

Washington University Studies. 8vo. St. Louis.

Weber, Friedrich, *and* Mohr, M. H.: Naturhistorische Reise durch einen Theil Schwedens. 8vo. Göttingen, 1804.

Weitenweber, Beitrage zur gesammten Natur- und Heilwissenschaft. 8vo.

Westwood, John Obadiah: An Introduction to the Modern Classification of Insects. 8vo. 2 vols. London. Synopsis of British Insects bound in vol. ii. (First issued in parts beginning in 1838 or early 1839. Vol. ii, containing the Hemiptera, and the Synopsis, seem to have appeared in 1840.)

Wheeler's Annual Report of the Chief of Engineers to the Secretary of War for the Year 1877. 8vo. 1877.

Wheeler's Report upon Geographical and Geological Explorations and Surveys West of the One Hundredth Meridian. 4to. Washington. (Insects in vol. v, 1875.)

Wiedemann's Zoologisches Magazin. 8vo. Kiel.

Wiener Entomolgische Monatschrift. 8vo. Wien.

Wiener Entomologische Zeitung. 8vo. Wien.

Wolff, Johann Friedrich: Icones Cimicum descriptionibus illustratae. Sm.4to. Erlangen. 5 pts. (Pt. 1, 1800; pt. 2, 1801; pt. 3, 1802; pt. 4, 1804; pt. 5, posthumous, 1811.)

Zeitschrift für die Entomologie, herausgegeben von Ernst Friedrich Germar. 8vo. 5 vols. Leipzig, 1839–1844.

Zeitschrift für Pflanzenkrankheiten. 8vo. Stuttgart.

Zeitschrift für wissenschaftliche Insektenbiologie. 8vo. Berlin.

Zetterstedt, Johann Wilhelm: Fauna Insectorum Lapponica. 8vo. Hammone, 1828.

—Insecta Lapponica descripta. Sm.4to. 1840. (In this work the columns are numbered instead of the pages; there are two columns to the page.)

Zoologischer Anzeiger. 8vo. Leipzig.

Zoologische Jahrbücher. 8vo. Jena. (Vol. 1, 1886.)

Zoologischer Jahresbericht. 8vo. Leipzig. (Vol. i, 1879 [1880].)

Zoological Journal. 8vo. London.

Zoologische Mededeelingen uitgegeven vanwege s'Rijks Museum van Natuurlijke Historie te Leiden. 8vo. Leyden.

INDEX TO GENERA AND HIGHER GROUP NAMES

(Numbers refer to the pages)

Abebus Stål, 469.
Acalypta Westw., 211.
Acanalonia Spin., 750.
Acanaloniinae A. & S., 750.
‡*Acanonia A. & S.*, 750.
Acanthaspidida Stål, 244.
Acanthia Fabr., 285.
†*Acanthia Latr.*, 438.
†*Acanthia Reut.*, 441.
Acanthicus Lap., 567.
Acanthiidae Costa, 284.
Acanthiidae Reut., 284.
Acanthiides Lch., 437.
Acanthiiformes Reut., 437.
Acanthiinae Reut., 438.
Acanthilles Latr., 284.
Acanthioideae Reut., 437.
Acanthocephala Lap., 85.
Acanthocephalini Stål, 85.
Acanthoceraria Bergr., 92.
†*Acanthocerus Stål*, 96, 104.
Acanthocheila Stål, 219.
Acantholoma Stål, 6.
Acanthonabis Reut., 279.
Acanthophysa Uhl., 146.
†*Acanthosoma Dist.*, 67.
Acanthosominae Stål, 66.
Aceratagallia Kirk., 573.
Aceratodes A. & S., 66.
Achilinae Stål, 726.
Acholla Stål, 268.
Achorotile Fieb., 780.
Acidoparius Stål, 249.
Acinocoris Hahn, 202.
Acinopterus Van D., 675.
Acocephalus Burm., 618.
Aconophora Fairm., 556.
Aconura Leth., 652.
Acrocoris Hahn, 249.
Acrosternum Fieb., 59.
Acucephalini Dohrn, 617.
Acucephalus Germ., 618.
Acutalis Fairm., 529.
Acysta Champ., 223.
Adana Stål, 730.
Adelphocoris Reut., 321.
Adomerus M. & R., 24.
Aechmophora Stål, 565.
Aelia Fabr., 47.
Aelioides Dohrn, 48.
Aethalion Latr., 568.
Aethalioninae Spin., 568.
Aethus Dall., 19.
Agallia Curt., 571, 572.
Agalliastes Fieb., 416.
Agallinae Kirk., 571.
Agalliopsis Kirk., 571.
Agnocoris Reut., 349.
Agondas Kirk., 544.
Agrammidae D. & S., 223.
Agrammodes Uhl., 223.
Alcaeorrhynchus Bergr., 70.
Alebra Fieb., 698.
Alcletha Kirk., 814.
Alepidia Reut., 380.
Aligia Ball, 627.
Allocatus Put., 391.
Allorhinocoris Reut., 321.
Allotrioza Crawf., 791.
Allygus Scott, 675.
†*Allygus Uhl.*, 667.
†*Allygus Van D.*, 627.
Alonips Sign., 22.
Althos Kirk., 101.
Alveotingis O. & D., 221.
Alydinae A. & S., 107.
Alydini Stål, 110.
Alydus Fabr., 112.
Amalopota Van D., 758.
Amaurochrous Stål, 26.
Amaurosterphus Stål, 221.
Amblycephalus Curt., 596.
Amblyomia Stål, 92.
Ambraciini Kirk., 363.
Ambrysus Stål, 458.
Americia Stål, 221.
Amnestus Dall., 23.
Amorgius Stål, 465.
Amphiareus Dist., 295.
Amphibicoryzes Spin., 423.
†*Amphiscepa Prov.*, 760.
†*Amphiscepa Uhl.*, 750.
Amphiscepinae Kirk., 750.
Amycle Stål, 717.
Amyctus Gist., 195.
Amyoteinae Sch., 69.
Analocus Stål, 50.
Anasa A. & S., 104.
Ancylopus Flor, 198.
Aneuridae D. & S., 136.
Aneuropharina Berg, 176.
Aneuropharus Berg, 176.
Aneurus Curt., 140.
Anisoscelini A. & S., 87.
†*Anisoscelis Spin.*, 88.
Anomia Fieb., 708.
Anomocera Crawf., 788.
Anonychia Reut., 209.
Anoscopus Kschb., 618.
Anoterops Fieb., 825.

Anotia Kby., 758.
Antheminia M. & R., 37.
Anthocoridae A. & S., 287.
Anthocoridae Reut., 284.
Anthocorinae Reut., 292.
Anthocoris Fall., 292.
Anthylla Stål, 227.
Antianthe Fowl., 544.
Antillocoris Kirk., 189.
Apache Kirk., 760.
Apateticus Dall., 76.
Aphalara Frst., 784.
Aphalarini Löw, 784.
Aphalaroida Crawf., 788.
Aphanaria Dist., 192.
Aphanidae L. & S., 177.
†*Aphanus Dall.*, 191.
Aphanus Lap., 194.
Aphelonema Uhl., 743.
Aphidiens Latr., 781.
Aphleboderrhis Stål, 137.
Aphrodes Curt., 618.
Aphrophora Germ., 509.
Aphrophorinae A. & S., 509.
Aphrophoroideae Spin., 507.
Apiomerinae A. & S., 256.
Apiomerus Lap., 256.
Apocremnus Fieb., 412.
Apoecilus Stål, 77.
Aptus Hahn, 277.
Aquarius Schell., 426.
Arachnocorina Reut., 276.
Aradidae Spin., 127.
Aradinae A. & S., 128.
Aradosyrtis Costa, 137.
Aradus Fabr., 128.
§*Araphe Uhl.*, 204.
Archasia Stål, 542.
Archimerus Burm., 95.
†*Archimerus Stål*, 93.
Arctocorixa Wall., 478.
Arenocorinae Bergr., 115.
Argyrocoris Van D., 400.
Arhaphe H. S., 204.
Arhyssus Stål, 124.
Arictus Stål, 139.
Arilus Burm., 267.
Arilus Spin., 259.
Aristoreuteria Kirk., 405.
Arminae Bergr., 69.
Arphnus Stål, 163.
Arsinotus Bergr., 360.
Artheneis Flor, 158.
Arvelius Spin., 63.
‡*Arytaena Scott*, 803.
Arytaina Frstr., 803.
Arytainini Crawf., 802.
Ascra Say, 66.
Ascra Stål, 268.
Ashmeadea Godg., 549.
Asiracinae Kirk., 762.
Asopinae Spin., 68.
Aspidotoma Curt., 210.
Astacopinae Kirk., 147.
†*Astemma Brul.*, 202.
†*Astemma Lap.*, 207.
Astemma Latr., 374.
†*Astemma Spin.*, 206.
Astemmides A. & S., 405.
Astemmoideae Spin., 201.
Asthenidea Reut., 292.
‡*Ataenia Thom.*, 803.
Atheas Champ., 222.
Athysanella Bak., 652.
Athysanini Van D., 652.
Athysanus Burm., 655.
†*Athysanus Fh.*, 585.
Atomoscelis Reut., 414.
Atomosira Uhl., 60.
Atrachelus A. & S., 266.
Atractophora Stål, 175.
Atractotomus Fieb., 413.
Attus Hahn, 416.
Atymna Stål, 548.
Auchenorhyncha A. & S., 487.
Aufeius Stål 118.
Aulacizes A. & S., 594.
Aulacostethus Uhl., 7.
Avephora Bier., 720.

Baebius Stål, 243.
Baecula Stål, 435.
Balclutha Kirk., 696.
Banasa Stål, 60.
Barce Stål, 237.
Basileocorixa Kirk., 478.
Bathysmatophorus Sahlb., 608.
Batracomorphus Lewis, 589.
Belanochilus Uhl., 160.
Bellocoris Hahn, 11.
Belanocharis Uhl., 723.
Belostoma Latr., 467.
†*Belostoma Latr.*, 465.
Belostomidae Lch., 464.
Benacus Stål, 464.
Beosini Stål, 192.
Bergthora Kirk., 19.
Berytidea Fieb., 142.
Berytidae D. & S., 143.
Berytus Fabr., 143.
Bicellules A. & S., 298.
Blastophysa Riley, 801.
Blissinae Stål, 165.
Blissus Burm., 167.
†*Blissus Stål*, 166.
Boisea Kirk., 126.
Bolbonota A. & S., 564.
Bolteria Uhl., 413.
Bostaera Ball, 771.
Bothriocera Burm., 730.
Bothriomirini Kirk., 363.
Bothrocranum Reut., 378.
Brachyceraea Fieb., 371.
Brachyrhyncharia Stål, 137.
†*Brachyrhynchus Brul.*, 140.
Brachyrhynchus Lap., 138.
Brachyrhynquides A. & S., 136.
Brachysteles M. & R., 295.
Brachystira Fieb., 303.
Brachytropis Fieb., 303.

Breddiniessa Kirk., 824.
Brepholoxa Van D., 65.
Brochymena A. & S., 29.
Bruchomorpha Newm., 741.
Bryocorinae D. & S., 358.
Bryocorini Reut., 361.
Buenoa Kirk., 454.
Burtinus Stål, 112.
Bythoscopinae Dohrn, 570.
†*Bythoscopus A. & S.*, 585.
Bythoscopus Germ., 588.

Cacama Dist., 495.
Cacodmidae Kirk., 284.
Cacodminae J. & R., 284.
Cadamustus Dist., 216.
Cadmilos Dist., 216.
Caliscelini A. & S., 740.
Calisini Stål, 136.
Calisius Stål, 136.
Callecoraria Uhl., 373.
Callicapsus Reut., 354.
Callicorixa Wht., 477.
Callimiris Reut., 306.
Callodemas Uhl., 316.
Calocoris Fieb., 327.
Calophya Löw, 789.
Calyptonotus Stål, 195.
Calyotoproctus Spin., 718.
Camarocyphus Reut., 386.
Camaronotidae D. & S., 378.
Camaronotus Fieb., 378.
Camelocapsus Reut., 365.
Camirus Stål, 6.
Camptobrochys Fieb., 353.
Camptotylaria Reut., 405.
Campylenchia Stål, 561.
Campylomma Reut., 417.
Campyloneuraria Kirk., 369.
†*Cantacader Ashm.*, 220.
Canthophorus M. & R., 24.
Capaneus Stål, 94.
Capellanus Dist., 406.
Capsaria D. & S., 336.
Capsiformes Osh., 297.
Capsinae A. & S., 298.
Capsini Burm., 298.
Capsini Reut., 312.
Capsus Fabr., 337.
†*Capsus Fieb.*, 356.
†*Capys Prov.*, 144.
Cardiastethus Fieb., 295.
Carinetini Dist., 499.
Carpilis Stål, 187.
Carpocoris Kol., 37.
Carsidarinae Crawf., 790.
Carthaea Stål, 752.
Carthasis Champ., 283.
Carynota Fh., 531.
Castolus Stål, 264.
Catonia Uhl., 728.
Catorhintha Stål, 102.
Catostyrax A. & S., 71.
Caulotops Bergr., 362.
Cecigenes A. & S., 201.
Cedusa Fowl., 757.
Cenchrea Westw., 758.
Centroscelidae L. & S., 100.
Centrodontus Godg., 565.
Centromelus Fieb., 240.
Centrotinae Stål, 565.
Centrotus Fabr., 567.
Centruchoides Fowl., 566.
Cephalelini Kirk., 623.
Cephalocoris Stein, 420.
Ceralteptus Costa, 115.
Cerascopus Hein., 235.
Cerasini Godg., 521.
Ceratagallia Kirk., 573.
Cerataulax Sign., 29.
Ceratocapsaria Van D., 381.
Ceratocapsus Reut., 381.
Ceratocombidae Fieb., 421.
Ceratocombina Reut., 421.
Ceratocombus Sign., 422.
Cercopidae Lch., 507.
Cercopinae A. & S., 507.
Cercopinae Kirk., 509.
†*Cercopis Kirk.*, 509, 514.
Ceresa A. & S., 521.
Ceropsylla Riley, 798.
Cetalion Lch., 568.
Chanteuses Latr., 488.
Chariesterini Stål, 98.
Chariesterus Lap., 98.
Charontus Stål, 262.
Chelinidea Uhl., 100.
Chelysoma Bergr., 5.
Chermidae Fall., 782.
Cherminae Van D., 790.
Chianthus Kol., 719.
Chiloxanthus Reut., 440.
Chirillus Stål, 262.
Chiroleptes Kby., 178.
Chlamydataria Kirk., 405.
Chlamydatus Curt., 415.
†*Chlamydatus Reut.*, 398.
Chloria Fieb., 702.
Chlorita Fieb., 702.
Chlorochroa Stål, 35.
Chlorocoris Spin., 54.
Chloroneura Walsh, 700.
Chlorotettix Van D., 685.
Chondrocera Lap., 87.
Chremistica Stål, 489.
†*Cicada Fabr.*, 596.
†*Cicada Latr.*, 489.
Cicada Linn., 496.
Cicadaria Dist., 488.
Cicadatraria Dist., 496.
Cicadella Latr., 595.
Cicadellidae Latr., 569.
Cicadellinae Van D., 590.
Cicadellini Van D., 591.
Cicadetta Kol., 506.
Cicadidae Latr., 487.
Cicadides A. & S., 488.
Cicadinae Van D., 495.
Cicadini Van D., 495.
†*Cicadula Fieb.*, 676.

†*Cicadula Sahlb.*, 702.
Cicadula Zett., 692.
Cicadularia Van D., 692.
Cimatlan Dist., 352.
Cimex Burm., 47.
Cimex Linn., 285.
†*Cimicidae Kirk.*, 2.
Cimicidae Latr., 284.
Cimicidae Stål, 284.
Cimiciformes Reut., 284.
†*Cimicinae Kirk.*, 69.
Cimicinae Van D., 284.
Cimicoideae Reut., 283.
Cimolus Stål, 103.
Ciriacreminae Aulm., 790.
Cistalia Stål, 199.
Cixiinae Stål, 730.
Cixius Latr., 734.
Clastoptera Germ., 517.
Clidophleps Van D., 504.
Clinocoridae Kirk., 284.
Clinocoris Fall., 285.
Clinocoris Hahn, 67.
Clivinema Reut., 363.
Clivineminae Reut., 363.
Closterocoris Uhl., 367.
Closterotomus Fieb., 328.
Cnemodus H. S., 187.
Cobax Germ., 760.
Coccobaphes Uhl., 338.
Cochise Kirk., 771.
Cochlorhinus Uhl., 626.
Coelidia Germ., 689.
Coelididae Dohrn, 688.
Coenus Dall., 45.
Collaria Prov., 299.
Colobatus M. & R., 120.
Colpochilus Reut., 408.
Compsocerocoris Reut., 316.
Compsus Fieb., 699.
Conomellus O. & B., 659.
Conorhinini Banks, 244.
Conorhinus Lap., 247.
Conosanus O. & B., 654.
Copicerus Schw., 762.
Coquillettia Uhl., 368.
Coranidius Reut., 262.
Corecorini Van D., 97.
Corecoris Hahn, 97.
Coreidae Lch., 83.
Coreinae Stål, 84.
Coreini Stål, 99.
Coreoideae Reut., 82.
†*Coreus Lap.*, 116.
Corimelaena Wht., 14.
Corimelaenidae Uhl., 13.
Corimelas A. & S., 14.
Corinala Reut., 396.
Coriomeris Westw., 116.
†*Corisa Thom.*, 478.
Coriscina Stål, 276.
†*Coriscus Stål*, 277, 280.
Corixa Geof., 485.
Corixidae Lch., 476.
Corixoideae Reut., 476.
Corizinae Mayr., 116.
Corizini Stål, 119.
Corizus Fall., 119.
†*Corizus Bak.*, 121.
Corticoles A. & S., 128.
Corynocoris Mayr, 84.
Corynomerus Spin., 84.
Corythucha Stål, 212.
Corythaica Stål, 817.
Cosmopepla Stål, 49.
Craspeduchus Stål, 153.
Crawfordiella Van D., 799.
Cremnocephalaria Reut., 366.
Cremnorrhinaria Reut., 405.
Creontiades Dist., 320.
Criocoridea Van D., 408.
Criocoris Fieb., 408.
Criomorphus Curt., 780.
Crophius Stål, 176.
Cryphula Stål, 199.
Cryptocricinae Montd., 458.
Cryptoporus Uhl., 19.
Curicta Stål, 461.
†*Cyarda Stål*, 756.
Cyarda Walk., 755.
Cybus Dgl., 702.
Cyclokara Muir, 756.
Cydamus Stål, 108.
Cydnidae Billb., 13.
Cydninae Dall., 17.
Cydnini Stål, 17.
†*Cydnus A. & S.*, 18.
†*Cydnus Lch.*, 19.
Cylapinae Popp., 364.
Cylapini Kirk., 364.
Cylapus Say, 364.
Cylindromelus Fieb., 825.
Cyllecoris Hahn, 386.
Cylloceps Uhl., 418.
Cyllocoraria Reut., 373.
Cyllocorinae Osh., 372.
‡*Cyllocoris Spin.*, 386.
Cyminae Stål, 161.
Cymini Stål, 163.
Cymoninus Bredd., 163.
Cymus Hahn, 164.
†*Cymus Westw.*, 162.
Cyphopelta Van D., 368.
Cyrpoptus Stål, 718.
Cyrtocapsus Reut., 359.
Cyrtoisa Kirk., 544.
Cyrtolobus Godg., 544.
Cyrtomenus A. & S., 18.
†*Cyrtopeltis Reut.*, 371.
Cyrtopeltocoris Reut., 367.
Cyrtorhinus Fieb., 823.
Cyrtosia Fh., 544.

Dacerla Bergr., 366.
Dacota Uhl., 362.
Danepteryx Uhl., 747.
†*Darbanus Prov.*, 260.
Darmistus Stål, 108.
Darninae Stål, 556.
Dasycoris Dall., 116.

Dasypterus Reut., 295.
Davila Dist., 188.
Deinostoma Kirk., 470.
Delochilocoris Bergr., 195.
Delphacinae Spin., 761.
Delphacissa Kirk., 774.
Delphacodes Fieb., 773.
†*Delphax Latr.*, 773.
Deltocephalaria Van D., 627.
Deltocephalus Burm., 639.
Dendrocoris Bergr., 64.
Deraeocoriaria D. & S., 352.
Deraeocoris Kschb., 356.
Derbinae Spin., 756.
Deridna Walk., 689.
Dermaptera Retz., 1.
Diactor Burm., 85.
Diaditus Stål, 244.
Diaphnidia Uhl., 389.
Dicephalus Kby., 225.
Diceroprocta Stål, 489.
Dichocysta Champ., 221.
Dichrooscytaria D. & S., 325.
Dichrooscytus Fieb., 332.
Dicraneura Hardy, 700.
Dicranotropis Fieb., 780.
Dictyla Stål, 223.
Dictyobia Uhl., 746.
Dictyonia Uhl., 747.
Dictyonisus Uhl., 746.
Dictyonota Curt., 814.
Dictyophora Germ., 719.
Dictyophorinae Spin., 719.
Dictyophorini Mlch., 719.
Dictyssa Uhl., 745.
Dicyphinae Osh., 366.
Dicyphini Reut., 369.
Dicyphonia Ball, 626.
Dicyphus Fieb., 370.
†*Diedrocephala Uhl.*, 602.
Diemeniini Kirk., 29.
Dikraneura Hardy, 700.
Dilasia Reut., 290.
Dilophus Montr., 175.
Dimera Westw., 781.
Dioleus Mayr, 6.
Diommatus Uhl., 394.
Diphumus Stål, 262.
Diplocodus Kirk., 260.
‡*Diploda Walk.*, 260.
Diplodus A. & S., 260.
Diplonotus Stål, 183.
Diplozona Van D., 353.
Dipsocoridae Dohrn, 421.
Dipsocoroidea Reut., 421.
Diraphia Waga, 783.
Dirnalus Stål, 101.
Discocephalessa Kirk., 28.
Discocephalini Fieb., 27.
†*Discogaster A. & S.*, 94.
Discomerus Lap., 227.
Ditropis Fieb., 781.
Doldina Stål, 266.
Dolichocysta Champ., 215.
Dolichomerium Kirk., 289.
Dolichomerus Reut., 289.
Dolichonabis Reut., 279.
Dorachosa Dist., 195.
Dorycephalus Kusch., 623.
Dorydiaria Fieb., 623.
Dorydiella Bak., 675.
Dorypleura A. & S., 66.
Draeculacephala Ball, 602.
Drionea Ball, 627.
Driotura O. & B., 654.
Drymaria Stål, 196.
Drymocoris Jakl., 196.
Drymus Fieb., 196.
Dryophilocoris Reut., 386.
Dufouriellinae Van D., 295.
Dufouriellus Kirk., 296.
Dusius Bergr., 138.
Dycoderes Uhl., 186.
Dyctidea Uhl., 747.
Dysdercus A. & S., 207.
Dysodiidae Reut., 136.
Dysodius Spin., 138.

Eccritotarsini Berg, 362.
Ecertobia Reut., 320.
Ectinoderida Stål, 256.
Ectopiocerus Uhl., 324.
†*Ectrichodia Stål*, 253.
Ectrichodiinae A. & S., 253.
Edessa Fabr., 66.
Edessini Kirk., 66.
‡*Elasmatostethus Mrsh.*, 68.
Elasmostethus Fieb., 67.
†*Elasmostethus L. & S.*, 67.
Elasmucha Stål, 67.
Elidiptera Spin., 726.
†*Elidiptera Walk.*, 756.
Emblethis Fieb., 195.
Embolonia Prov., 741.
†*Embolophora Kirk.*, 774.
Emesa Fabr., 236.
†*Emesa Prov.*, 233.
Emesinae A. & S., 232.
Emesini Dohrn, 236.
Emesodema Spin., 235.
Empoa Fh., 708.
Empoasca Wlsh., 702.
Empoascaria Dist., 698.
Enchenopa A. & S., 562.
Enchophyllum A. & S., 561.
Engytatus Reut., 371.
Enicocephalidae Stål, 224.
Enicocephaliformes Reut., 224
Enicocephalus Westw., 224.
Entithena Fieb., 737.
Entylia Germ., 553.
Epibomius Dist., 156.
Episcopus Reut., 405.
Epitrioza Crawf., 791.
Erbula Stål, 110.
Eremocoris Fieb., 197.
Eroticoridae D. & S., 366.
Errhomenellus Put., 609.
Errhomenus Fieb., 609.
Erythrischius Stål, 148.

Erythroneura Fh., 711.
Esperanza Barb., 109.
Esuris Stål, 199.
Euacanthus Burm., 607.
†*Euagoras H.S.*, 259.
Euarmosus Reut., 355.
Eufulgoridae Hagl., 717.
Eugnathodus Bak., 697.
†*Eulygaeus Berg*, 150.
Eulygaeus Reut., 150.
Euphalerus Schw., 802.
Euphyllura Frst., 802.
Euphyllurini Crawf., 802.
Eupodisus Schtd., 78.
Eupteryginae Kirk., 698.
Eupteryx Curt., 707.
Euptychodera Bergr., 12.
Europiella Reut., 414.
Eurybregma Scott, 781.
Eurycephala Lap., 375.
Eurychilopterella Reut., 353.
Eurygaster Lap., 10.
Eurygastraria Stål, 10.
Eurymelini Kirk., 571.
Euryophthalminae Van D., 201.
Euryophthalmus Lap., 201.
Eusarcoris Fieb., 50.
Euscelidaria Van D., 652.
Euscelis Brul, 654.
Euschistus Dall., 40.
Eustictus Reut., 352.
Eutettix Van D., 662.
Euthochtha Mayr, 96.
Euthyrhynchus Dall., 75.
Eutropistidae Kirk., 739.
Evacanthus L. & S., 607.
‡*Evagoras A. & S.*, 259.
Evashmeadea Godg., 549.
Exaeretaria Reut., 405.
†*Eysarcoris Spin.*, 48.

Eysarcoris Hahn, 50.
Fenestrella O. & D., 212.
Ficana Stål, 103.
Fidicina A. & S., 498.
Fidicinini Dist., 497.
Ficheria Jakl., 274.
Fitchia Stål, 265.
Fitchiella Van D., 740.
†*Flata Germ.*, 734.
Flatinae Spin., 752.
Flatini Mlch., 752.
Flatoides Guer., 755.
Flatoidini Mlch., 755.
Fokkeria Schtd., 11.
†*Fulgora Kirk.*, 720.
Fulgoridae Latr., 716.
†*Fulgorinae Kirk.*, 719.
Fulgorinae Spin., 717.
Fulvini Uhl., 364.
Fulvius Stål, 365.

Gaeaninae Dist., 495.
Galaerostria Zett., 487.
Galeatus Curt., 215.
Galeottus Dist., 111.
Galgulidae Bülb., 471.
Galguloidae Fieb., 472.
Galgulus Latr., 472.
Galgupha A. & S., 14.
Ganocapsus Van D., 323.
Gardena Dohrn, 237.
Garganaria Reut., 314.
Garganus Stål, 323.
Gargaphia Stål, 217.
Gargaropsis Fowl., 589.
Gastrodes Westw., 198.
Gelastocoridae Kirk., 471.
Gelastocorinae Champ., 472.
Gelastocoris Kirk., 472.
Gelastophantia Kirk., 755.
Gelchossa Kirk., 218.
†*Geocoridae Kirk.*, 147.
Geocorinae Stål, 168.
Geocoris Fall., 169.
Geotomus M. & R., 22.
Gerhardiella Popp., 409.
†*Gerrida Stål*, 109.
Gerridae A. & S., 425.
Gerriformes Reut., 425.
Gerrinae Bian., 426.
Gerris Fabr., 426, 427.
†*Gerris Fabr.*, 109.
†*Gerris Schell.*, 233.
Gerroideae Lch., 423.
Ghilianella Spin., 237.
Globicepidae D. & S., 386.
Globiceps L. & S., 388.
Glossocratus Fieb., 624.
Glossonotus Butl., 534.
Glyptocombus Heid., 422.
Gnathobleda Stål, 241.
Gnathodus Fieb., 696.
Gnopherus Stål, 192.
†*Goniagnathus Van D.*, 622.
Gonianotini Stål, 195.
Goniolcium Fowl., 771.
Gorpini Reut., 283.
Graphocephala Van D., 601.
Graphosomatinae Jakl., 25.
Graptolomus Stål, 150.
Gyndes Stål, 183.
Gypona Germ., 610.
Gyponinae Berg, 609.

Hadronema Uhl., 385.
Haematosiphon Champ., 287.
Haematosiphoninae J. & R., 287.
Hallodapini Van D., 366.
Halobates Esch., 431.
Halobatinae Bian., 430.
Halobatopsis Bian., 430.
Halocapsus Put., 391.
Halticaria Kirk., 374.
Halticocoridae D. & S., 374.
Halticocoris D. & S., 375.
Halticotoma Reut., 359.
Halticus Hahn, 374.
Halyini Stål, 29.
Hammacerinae Stål, 254.

Hammacerus Lap., 254.
‡*Hammatocerus Burm.*, 254.
Harmostes Burm., 117.
Harmostini Stål, 117.
†*Harpactor Burm.*, 262.
Harpactoraria Dist., 259.
Harpactorinae A. & S., 258.
Harpactorini Stål, 267.
Harpiscus Stål, 262.
Harpoceridae D. & S., 405.
Hebecerus Kol., 84.
Hebridae A. & S., 272.
Hebriformes Osh., 272.
Hebroideae Reut., 272.
Hebrus Curt., 272.
Hecalus Stål, 624.
Hecalusaria Dist., 623.
Heidemannia Uhl., 420.
Heidemaniini Kirk., 420.
‡*Helicoptera A. & S.*, 726.
Heliria Stål, 535.
Helochara Fh., 600.
Helonotocoris Leth., 174.
Helonotus Uhl., 174.
Helotenthes Berg, 461.
Hemitrioza Crawf., 798.
‡*Henicocephalus Stål*, 224.
Henschiella Horv., 225.
‡*Hepa Geoff.*, 461.
Heraeus Stål, 178.
Herega A. & S., 257.
Herpis Stål, 757.
Herrera Dist., 500.
Hesperocorixa Kirk., 485.
Hesperolabops Kirk., 362.
Hesperophylum Reut., 297.
Hesperotingis Pshly., 818.
Heterocordylus Fieb., 378.
Heterogaster Schill., 173.
†*Heterogaster Spin.*, 158.
Heterogastrinae Stål, 172.
Heteropsylla Crawf., 789.
Heteroptera Latr., 1.
Heterosceloides Schtd., 70.
Heterotoma Latr., 822.
Heterotomaria Kirk., 373.
Heterotominae Reut., 372.
Heza A. & S., 267.
Hezida Stål, 267.
Holatus Guer., 762.
Holocostethus Kirk., 32.
Holymeniaria Bergr., 87.
Homaemus Dall., 8.
Homalocoris Prty., 255.
Homalodema Fieb., 198.
Homalodisca Stål, 593.
Homaloporus Uhl., 19.
Homoptera Latr., 487.
Hoplinus Stål, 144.
Hoplistoscelis Reut., 278.
Hoplomachidea Reut., 403.
Hoplomus Gist., 71.
Hoplophorinae Stål, 557.
Horcias Dist., 333.
Horistini Van D., 309.
Huleria Ball, 627.
Huphus M. & R., 112.
Hyaliodes Reut., 369.
Hyalochloria Reut., 390.
Hyalymenus A. & S., 111.
Hyantiini Dist., 499.
Hydrobatida Stål, 425.
Hydrobiotica Reut., 422.
Hydrocorides Fall., 460.
Hydroessa Burm., 433.
Hydroessae Fieb., 432.
Hydrometra Lam., 424, 426.
Hydrometraeformes Reut., 423.
Hydrometridae Billb., 423.
†*Hydrometridea Fieb.*, 425.
Hydrometrites Lap., 423.
Hydrometroidea Reut., 423.
Hygromystes Stål, 267.
Hygrotrechus Stål, 427.
Hylophila Kby., 292.
Hymenarcys A. & S., 46.
Hymenelytrata Fall., 781.
Hymeniphera Lap., 96.
Hymenobates Uhl., 431.
Hymenocoris Uhl., 225.
Hymenodectes Uhl., 225.
Hymenophora A. & S., 96.
Hynnis Burm., 760.
Hypamastris Fowl., 552.
Hypereides Kirk., 381.
Hypertolmus Stål, 262.
Hypocephalocera Spin., 487.
Hypoxys A. & S., 66.
Hypselonotaria Bergr., 100.
Hypselonotus Hahn, 106.
Hysteropterum A. & S., 744.

Idia Fieb., 711.
Idiocerus Lewis, 575.
Idioderma Van D., 551.
Idolocoridae D. & S., 369.
Idolocoris D. & S., 370.
Ilnacora Reut., 396.
Infericornes A. & S., 147.
Iolania Kirk., 733.
Ioscytus Reut., 447.
Irbisia Reut., 324.
Ischnodemus Fieb., 166.
†*Ischnodemus Prov.*, 191.
Ischnorrhynchini Stål, 161.
Ischnorrhynchus Fieb., 161.
Isometopidae Fieb., 420.
Isometopus Fieb., 420.
Issinae Spin., 740.
Issini Spin., 743.
Issomorphus Mlch, 749.
Issus Fabr., 748.
Isthmocoris McAt., 172.

Jadera Stål, 126.
Jalysus Stål, 144.
Janthe Stål, 544.
Japetus Dist., 204.
Jassaria Van D., 688.
Jassina Stål, 569.

Jassinae A. & S., 616.
Jassini Dohrn, 623.
Jassoidea Van D., 569.
Jassus Fabr., 689.
†*Jassus Lch.*, 589.
†*Jassus Mayr*, 675.
Jerala Walk., 762.

Kangra Kirk., 320.
Katacephala Crawf., 802.
Kelidocoris Kol., 386.
†*Kelidocoris Reut.*, 388.
Kelisia Fieb., 764.
Kirkaldya Bueno, 434.
Kleidocerys Steph., 120.
†*Kleydocerus Sign.*, 162.
Klinophilos Kirk., 286.
Klopicoris Van D., 353.
Koebelia Bak., 570.
Koebeliidae Bak., 569.
Kolla Dist., 598.
Koraciocapsus Kirk., 323.
Kormus Fieb., 770.
Kuwayama Crawf., 791.
Kybos Fieb., 702.

Laboparia Reut., 373.
Labopidea Uhl., 399.
Labops Burm., 373.
Laccocera Van D., 770.
Laevipedes A. & S., 507.
Lalervis Sign., 24.
Lamenia Stål, 757.
Lampethusa Dist., 325.
Lamphrius Stål, 262.
Lampracanthia Reut., 447.
Lamprodema Dist., 190.
Lampronotus D. & S., 196.
Lampropagasa R. & P., 275.
Lamproplax D. & S., 196.
Lamprotrechus Reut., 429.
Laodamia Kirk., 408.
Laodamina Bnks., 408.
Largidea Van D., 363.
Largides A. & S., 201.
Largus Burm., 202.
Largus Hahn, 202.
†*Lasiacantha L. & S.*, 220, 221.
Lasiochilus Reut., 289.
Lasiomerus Reut., 279.
Lecadra Sign., 202.
Lecticoles A. & S., 284.
Legnotus Schtd., 24.
Leioscyta Fowl., 563.
Leistarchini Stål, 234.
Leptobyrsa Stål, 216.
Leptocorini Van D., 125.
Leptocoris Hahn, 125.
†*Leptocoris Westw.*, 110.
Leptocorisa Latr., 109.
Leptocorise Latr., 110.
Leptocorisiini Stål, 109.
Leptocorixa Berth., 110.
Leptodicta Stål, 218.
Leptoglossus Guer., 87.
Leptomeris Lap., 292.
Leptopodiformes Brul., 437.
Leptopodoidea Van D., 437.
Leptopterna Fieb., 301.
Leptoscelini Stål, 91.
†*Leptostyla Prov.*, 216.
Leptostyla Stål, 218.
Leptoypha Stål, 220.
Lepyronia A. & S., 512.
Lethiini Stål, 196.
Lethocerus Mayr, 465.
Leucopoecila Reut., 414.
Leuronota Crawf., 791.
Liburnia Stål, 773.
Liburniella Crawf., 772.
Lichenobia Baer., 422.
Ligyrocoris Stål, 180.
Limnobates Burm., 424.
Limnobatidae Fieb., 424.
Limnogonus Stål, 429.
Limnometra Mayr, 429.
Limnoporus Stål, 428.
Limnotrechus Stål, 427.
Limotettix Sahlbg., 655, 692.
†*Lioderma Prov.*, 35.
Lioderma Uhl., 34.
Liodermion Kirk., 34.
Liops Fieb., 406.
Liorhyssus Stål, 120.
Liotropis Uhl., 64.
Lipogomphus Berg, 819.
Lippomanus Dist., 295.
Litocoris Fieb., 391.
Litoralia Fieb., 471.
Litosoma D. & S., 391.
Litosomidae D. & S., 386.
Livia Latr., 782.
Liviinae Löw, 782.
Liviini Crawf., 782.
Lobolophus Bergr., 23.
Lobonotus Uhl., 23.
Lobostethus Fieb., 303.
Lomatopleura Reut., 383.
Lonatura O. & B., 651.
Lopariinae Ckl., 382.
Lophopelta Stål, 559.
Lophyrus Kol., 328.
Lopidae D. & S., 309.
Lopidea Uhl., 383.
Lopidearia Van D., 382.
Lopomorphus D. & S., 301.
Lopus Hahn, 403.
Loxa A. & S., 54.
Loxophora Van D., 726.
Luteva Dohrn, 235.
Lyctocorinae Reut., 288.
Lyctocoris Hahn, 288.
Lyctus Flor, 162.
†*Lygaeidae Kirk.*, 83.
Lygaeidae Schill., 146.
Lygaeiformes Osh., 142.
Lygaeinae Stål, 147.
Lygaeini Stål, 147.
Lygaeoideae Osh., 142.
Lygaeosoma Spin., 156.

†*Lygaeus Stål*, 153.
Lygaeus Fabr., 149, 150.
†*Lygaeus Lch.*, 206.
Lygaeomorphus Blnch., 126.
Lygidae D. & S., 336.
Lygidea Reut., 338.
Lygocoris Reut., 340.
†*Lygus Smth.*, 150.
Lygus Hahn, 339, 341.
Lystroides Spin., 717.

Macraulax Dall., 3.
Macrocapsus Reut., 356.
Macrocephalidae Kirk., 226.
Macrocephalinae A. & S., 229.
Macrocephalus Swed., 229.
Macrocorisa Thom., 486.
Macrolophina Reut., 366.
Macrolophini Kirk., 369.
Macrolophus Fieb., 372.
Macroparius Stål, 158.
Macropeltidae Fieb., 27.
Macroporus Uhl., 18.
†*Macropsis A. & S.*, 589.
†*Macropsis Kirk.*, 585.
Macropsis Lewis, 581.
Macrosandalus Stål, 251.
Macrosteles Fieb., 692.
Macrostelini Kirk., 692.
Macrothyreus Westw., 230.
Macrotomella Van D., 766.
Macrotracheliella Champ., 819.
Macrotyloides Van D., 400.
Macrotylus Fieb., 401.
Macrovelia Uhl., 434.
Madura Stål, 100.
Maecenas Kirk., 216.
Magoa Stål, 23.
Mamurius Stål, 95.
Manatanus Dist., 200.
Manniferae Linn., 488.
Margus Dall., 101.
Maurodactylus Reut., 418.
Mayana Dist., 177.
Meadorus M. & R., 67.
Meccus Stål, 247.
Mecidea Dall., 29.
Mecidiini Dist., 29.
Mecomma Fieb., 397.
Megaloceraea Fieb., 305.
Megalonotus Fieb., 190.
Megalotomus Fieb., 112.
Megamelanus Ball, 764.
Megamelus Fieb., 765.
Meganotus Lap., 206.
Megophthalminae Kirk., 569.
Melanocoris Champ., 819.
Melampsalta Kol., 506.
Melampsaltini Dist., 506.
Melanaethus Uhl., 22.
Melanochila Stål, 37.
Melanocoryphus Stål, 154.
Melanolestes Stål, 250.
Melanopleurus Stål, 152.
Melanorhopala Stål, 220.
Melanostoma Stål, 48.
Melanotrichus Reut., 391.
Melinna Uhl., 381.
Membracidae Germ., 520.
Membracinae Stål, 560.
Membracis Fabr., 560.
Memnonia Ball, 621.
Menecles Stål, 50.
Menenotaria Bergr., 97.
Mermimerus Sahlb., 401.
Merocorinae Stål, 83.
Merocoris Hahn, 116.
Merocoris Perty, 84.
Meropachydida Stål, 83.
Merragata Wht., 819.
Mesamia Ball, 628.
Mesodema Mlch., 744.
Mesodicus Fieb., 616.
Mesomiris Reut., 306.
Mesovelia M. & R., 274.
Mesoveliidae D. & S., 273.
Mesoveliiformes Reut., 272.
Metacanthinae D. & S., 144.
Metapodiessa Kirk., 85.
Metapodius Westw., 85.
Metatropiphorus Reut., 283.
Metapodus A. & S., 85.
Metriorrhynchomiris Kirk., 333.
Metriorrhynchus Reut., 333.
Metrobates Uhl., 430.
Mevius Dist., 366.
Mezira A. & S., 138.
Mezirinae Osh., 136.
Mezirini Van D., 137.
Micracanthia Reut., 446.
Micracidius Stål, 249.
§*Micranthia Van D.*, 446.
Micrelytrini Stål, 107.
Microcentrus Stål, 565.
Microledrida Fowl., 736.
Microphylellus Reut., 408.
Microporus Uhl., 19.
Micropus Spin., 166.
Microsynamma Fieb., 419.
Microvelia Westw., 432, 433.
Microtalis Fowl., 530.
Mictini Stål, 92.
Milyas Stål, 263.
Mimoceps Uhl., 313.
Mimoperideris Kirk., 386.
Mineus Stål, 76.
Miridae Hahn, 297.
Miridae Kirk., 283, 297.
Miridiaria Reut., 313.
Miriformes Reut., 297.
Mirinae Reut., 298.
Mirini A. & S., 298.
Miris Fabr., 300.
†*Miris H.S.*, 303.
†*Miris Lap.*, 375.
†*Miris Thom.*, 303.
Mistharnophantia Kirk., 755.
Mokanna Dist., 216.
Monalocoris Dahl., 361.
Monanthia L. & S., 223.

Monecphora A. & S., 508.
Monochrocerus Stål, 54.
Mononychidae Horv., 471.
Mononychinae Fieb., 473.
Mononyx Lap., 473.
Monopsis Spin., 739.
Monorachis Uhl., 733.
Monosynamma Scott, 419.
Montondonista Kirk., 465.
Mormidea A. & S., 37, 38.
†*Mormidea Fieb.*, 37.
Mozena A. & S., 93.
Multareis Godg., 563.
Murgantia Stål, 55.
Mutyca Stål, 70.
Mycterocoris Uhl., 355.
Myiomma Put., 420.
Myndus Stål, 737.
Myochroocoris Reut., 414.
Myodocha Latr., 177.
Myodochidae Kirk., 147.
Myodochina Stål, 177.
†*Myodochinae Kirk.*, 109.
Myodochini Stål, 177.
Myodocha Latr., 177.
†*Myodochus Lch.*, 110.
‡*Myodochus Oliv.*, 178.
Myrmecopeplus Berg, 367.
Myrmecopsis Uhl., 366.
Myrmecoraria Reut., 313.
Myrmicocoridae D. & S., 366.

Nabicula Kby., 277.
Nabidae Costa, 274.
Nabidea Uhl., 299.
Nabiformes Reut., 274.
Nabina Stål, 275.
Nabinae Reut., 276.
Nabini Van D., 276.
Nabis Latr., 276, 280.
†*Nabis Lch.*, 247.
Naeogeidae Kirk., 272.
Naeogeiformes Reut., 272.
†*Naeogeus Kirk.*, 273.
Naethus Stål, 746.
Namacus A. & S., 101.
Nannium Bergr., 138.
Narnia Stål, 90.
Navesus Stål, 243.
Naso Fh., 740.
Nasocoraria Reut., 405.
Naucoridae Fall., 456.
Naucorinae Stål, 457.
Neides Latr., 143.
Neididae Kirk., 142.
Neidiformes Reut., 142.
Neidinae Van D., 143.
Neidoideae Reut., 142.
Neoborops Uhl., 352.
Neoborus Dist., 350.
Neobothynotus Wrtn., 820
Neocapsus Dist., 336.
Neocarnus Dist., 369.
Neocoelidia G. & B., 690.
Neocoris D. & S., 419.
Neolygus Kngt., 821.
Neopharnus Van D., 64.
Neoslossonia Van D., 623.
Neotrioza Crawf., 798.
Neotriozella Crawf., 798.
Neottiglossa Kby., 47.
Neovelia Wht., 435.
Nepa Linn., 460.
Nepaeformes Reut., 456.
Nephotettix Mats., 653.
Nepidae Latr., 459.
Nepoidea Montd., 461.
Nerthra Say, 474.
Nerthridae Kirk., 471.
Nerthrinae Kirk., 473.
Neurocolpus Reut., 314.
Neuroctenus Mayr, 139.
Neurotmeta Guer., 739.
Nezara A. & S., 57.
Niesthrea Spin., 123.
Ninus Stål, 163.
Nionia Ball, 622.
Notonecta Linn., 449.
Notonectaeformes Reut., 448.
Notonectidae Lch., 448.
Notonectinae Fieb., 449.
Notonectoidea Lch., 448.
Notus Fieb., 700.
Nudicolles Latr., 232.
Nudirostri A. & S., 232.
Nudiscuti A. & S., 565.
Nymphorgerius Osh., 724.
Nysiina Uhl., 156.
Nysius Dall., 158.

Ochetopus Hahn, 241.
Ochrimnus Stål, 154.
Ochrostomus Stål, 153.
Ochteridae Kirk., 475.
Ochteriformes Reut., 471.
Ochteroidae Reut., 471.
Ochterus Latr., 475.
Oculatae Latr., 437.
Odmalea Bergr., 65.
Odontoscelaria Stål, 10.
†*Odontoscelis Burm.*, 13.
Odontotarsinae Stål, 10.
Odopoea Stål, 498.
Oebalus Stål, 39.
Oeciacus Stål, 287.
Oecleus Stål, 736.
Oeclidius Van D., 736.
Oedancala A. & S., 174.
Ojedena Dist., 95.
Okanagana Dist., 501.
Oliarus Stål, 731.
Omoptera Lch., 487.
Oncauchenius Stål, 262.
Oncerometopus Reut., 312.
Oncerotrachelus Stål, 238.
Oncocephalus Klug, 243.
Oncogaster Stål, 69.
Oncognathus Fieb., 323.
Oncometopia Stål, 591.
Oncopeltus Stål, 147.

Oncopsis Burm., 585.
Oncotylaria D. & S., 401.
Oncotylus Fieb., 825.
Oncozygia Stål, 25.
Oncylocotis Stål, 224.
Onychiophora Reut., 142.
Onychumenus Reut., 403.
Ophiderma Fairm., 550.
Ophthalmicus Schill., 169.
Ophthalmocoris Zett., 373.
Opisthacidius Berg, 249.
Opistheuria Reut., 312.
Oplistopus Jak., 245.
Oplomus Spin., 71, 72.
Opsicoetus Klug, 245.
Opsius Fieb., 655.
Optilete Stål, 531.
Orectoderus Uhl., 368.
Orgamara Ball, 725.
Orgeriini Osh., 724.
Orgerius Stål, 724.
Orinonotus Reut., 360.
Oriterus Hahn, 104.
Ormenis Stål, 753.
Ornithissus Fowl., 721.
Orsillacis Barb., 161.
Orsillacis Uhl., 157.
Orsillini Stål, 156.
Orsilochus Stål, 5.
Orthaea Dall., 183.
Orthocephalus Fieb., 398.
Ortholomus Stål, 157.
Orthometrops Uhl., 283.
Orthonotus Steph., 374.
Orthops Fieb., 348.
Orthosteira Fieb., 211.
Orthotylaria Van D., 386.
Orthotylinae Van D., 372.
Orthotylini Van D., 373.
Orthotylus Fieb., 390.
Osbornia Ball, 748.
Ostorodias Dist., 297.
Otiocerus Kby., 759.
Oxycareninae Stål, 176.
Oxydalus M. & R., 68.
Ozophora Uhl., 188.

Pacarina Dist., 497.
Pachybrachius Hahn, 183.
Pachycoridae Uhl., 3.
Pachycoris Burm., 4.
‡*Pachygroncha Spin.*, 175.
Pachygrontha Germ., 175.
Pachygronthinae Stål, 173.
Pachylops Fieb., 391.
Pachymerini Put., 177.
Pachymerus L. & S., 194.
Pachyopsis Uhl., 589.
Pachypsylla Riley, 799.
Pachypsyllini Crawf., 799.
Padaeus Stål, 44.
Pagaronia Ball, 606.
Pagasa Stål, 275.
Pallacocoris Reut., 336.
Palmacorixa Abb., 485.
Pamera Say, 195.
†*Pamera Stål*, 183.
Pamerocoris Uhl., 365.
Pamillia Uhl., 381.
Pamphantus Stål, 189.
Pangaeus Stål, 20.
Pantilliodes Noul., 320.
Pantopsilus Berg, 249.
Parabolocratus Fieb., 625.
Paracalocoris Dist., 326.
Paracoelidia Bak., 691.
Parallygus Mlch., 667.
Paralystra Wht., 718.
†*Parameesus Van D.*, 628.
Parantonae Fowl., 531.
Paraphlepsius Bak., 667.
Parapholis Uhl., 616.
Paraproba Dist., 389.
Paraschistus Kirk., 44.
Paratrioza Crawf., 791.
Paraxenetus Reut., 314.
Parnisini Dist., 505.
Paromius Fieb., 182.
Paropinae Dohrn, 569.
Paropulopa Fieb., 570.
Parthenicus Reut., 401.
Paryphes Burm., 107.
Pasatus Stål, 191.
†*Patara Ball*, 756.
Paurocephala Crawf., 789.
Pauropsyllinae Crawf., 789.
Pedinocoris Mayr, 470.
Pediopsis Burm., 581.
Peggichisme Kirk., 188.
Peliopelta Uhl., 174.
Peliosoma Uhl., 175.
Pelitropis Van D., 740.
Pelocoris Stål, 457.
Pelogonida Lch., 475.
Pelogonus Latr., 475.
Peltonotellus Put., 743.
Peltonotus M. & R., 743.
Pentacora Reut., 439.
Pentagramma Van D., 781.
Pentastira Kschb., 732.
Pentastridius Kschb., 732.
†*Pentatoma Fieb.*, 35.
Pentatomida Stål, 2.
Pentatomidae Lch., 25.
Pentatomiformes Reut., 2.
Pentatominae Stål, 27.
Pentatomini Stål, 32.
Penthimia Germ., 609.
Penthimiinae Kirk., 609.
Peregrinus Kirk., 769.
Peribalus M. & R., 32.
Perideris Fieb., 386.
Perigenes Dist., 181.
Perilloides Schtd., 73.
Perillus Stål, 73.
Periscopus Bredd., 824.
Peritrechus Fieb., 191.
Peritropini Kirk., 365.
Peritropis Uhl., 366.
Perthostoma Leidy, 467.

Petalotoma Guer., 87.
Petissius Dist., 194.
Phacosemini Kief., 790.
Phalaenomorphini Kirk., 755.
Phalaenomorpha A. & S., 756.
Phantasmatophanes Kirk., 234.
Phaulocentrus Fowl., 566.
Philaenus Stål, 513.
Philaronia Ball, 513.
Philya Walk., 565.
Phimodera Germ., 11.
Phintius Stål, 474.
Phlegyas Stål, 173.
Phloeobiotica Reut., 127.
Phlepsius Fieb., 667.
Phoenicocoris Reut., 408.
Pholetaera Zett., 618.
Phorticus Stål, 276.
Phrynomorphusaria Kirk., 652.
Phrynomorphus Curt., 654.
Phthia Stål, 91.
Phthirocoris Endl., 225.
Phygadicida Stål, 173.
Phygadicus Fieb., 173.
Phygas Fieb., 173.
Phylaria D. & S., 405.
Phylinae Reut., 401.
Phylini D. & S., 401.
Phylloscelis Germ., 723.
Phyllochisme Kirk., 219.
Phyllocoris Costa, 292.
Phyllodinus Van D., 769.
Phylloplecta Riley, 792.
Phyllotropis Stål, 561.
Phymata Latr., 226.
Phymatidae Lap., 225.
Phymatinae A. & S., 226.
Physatocheila Fieb., 219.
Physetonotus Reut., 360.
Phytocoraria D. & S., 314.
Phytocoridae Fieb., 298.
Phytocoris Fall., 315.
†*Phytocoris Lap.*, 206.
Phytophthires Burm., 781.
Phytothelga Dum., 781.
Pictinus Stål, 138.
Picumna Stål, 749.
Piesma L. & S., 210.
†*Piesmidae Dohrn*, 223.
Piesminae A. & S., 210.
Piestosoma Lap., 135.
Piezodera Sign., 207.
Piezodorus Fieb., 62.
Piezogaster A. & S., 95.
Piezostethus Fieb., 290.
Pilophoraria Reut., 378.
Pilophorus Hahn, 378.
Pindus Stål, 261.
Piratinae A. & S., 250.
Pirithous Dist., 359.
Pissonotus Van D., 767.
Pitedia Reut., 35.
Pithanidae D. & S., 313.
Pithanus Fieb., 313.
Plagiognatharia Reut., 405.
Plagiognathinae Osh., 401.
Plagiognathus Fieb., 410.
Plascoscelida Stål, 85.
Platycarenus Fieb., 27.
Platycentrus Stål, 566.
Platycixius Van D., 734.
Platycoraria Bergr., 29.
Platycoris Gist., 206.
Platycoris Perty, 255.
Platycotis Stål, 558.
Platygaster Schill., 198.
Platylygus Van D., 339.
Platymetopius Burm., 634.
Platynotus Schill., 206.
Platypedia Uhl., 505.
Platysolen Fieb., 48.
Platytylellus Reut., 309.
Plea Lch., 455.
Pleinae Fieb., 455.
Plinthisus Fieb., 190.
Plociomeraria Put., 177.
‡*Plociomerus A. & S.*, 185.
†*Ploiaria Latr.*, 233.
†*Ploiaria Say*, 236.
Ploiaria Scop., 235.
Ploiariida Stål, 232.
Ploiarini Costa, 232.
†*Ploiariodes Champ.*, 233.
Ploiariola Reut., 233.
Ploiarioliinae Van D., 232.
Ploiariopsis Champ., 235.
Ploteres Latr., 423.
Pnirontis Stål, 239.
Poblicia Stål, 718.
Podicerus Dum., 144.
Podisus H.S., 78.
†*Podisus Dist.*, 76.
Podopini Dall., 25.
Podops Lap., 25.
Poecilocapsus Reut., 335.
Poeciloscytus Fieb., 329.
Poecilosoma Steph., 339.
Poekillopterinae Kirk., 752.
Poekillopterini Kirk., 752.
Polyglypta Burm., 553.
Polyglyptini Godg., 551.
Polyneuria Reut., 2.
Polypoecilus Stål, 71.
Pothea A. & S., 254.
Prepops Reut., 309.
Prionidus Uhl., 268.
Prionocnemidae Scott, 790.
Prionosoma Uhl., 51.
Prionotus Lap., 268.
Proarna Stål, 497.
Proceps M. & R., 635.
†*Proconia A. & S.*, 591.
Proconiida Stål, 591.
Prokelisia Osb., 765.
Pronotacantha Uhl., 145.
†*Prooxys A. & S.*, 45.
Prostemminae Reut., 275.
Protacanthus Uhl., 145.
Protalebra Bak., 698.
Protenor Hagl., 108.

Proxius Stål, 137.
Proxys Spin., 44.
Psallidae D. & S., 405.
Psallus Fieb., 406.
Pselliopus Bergr., 263.
Pseudatomoscelis Popp., 406.
Pseudocnemodus Barb., 187.
Pseudopamera Dist., 185.
Pseudophana Burm., 719.
Pseudophanides A. & S., 719
Pseudophloeinae Stål, 115.
Pseudopsallus Van D., 399.
Pseudoxenetus Reut., 387.
†*Psylla Löw*, 805.
Psyllaria Put., 799.
Psyllia Kirk., 805.
Psyllidae Latr., 782.
Psylliinae Van D., 799.
Psylliini Van D., 805.
Psyllini Crawf., 805.
Psyllopa Crawf., 803.
Psyllopsis Löw, 804.
†*Pterometus Prov.*, 187.
Ptochiomera Say, 185.
Ptychodera Reut., 12.
†*Ptyela Germ.*, 514.
†*Ptyelinae Fowl.*, 509.
†*Ptyelus Lallm.*, 514.
Publilia Stål, 555.
Pycnocoris Van D., 325.
Pycnoderes Guer., 360.
Pychnoderini Reut., 358.
†*Pycnopterna Prov.*, 367.
Pygaeus Uhl., 189.
Pygoda A. & S., 66.
Pygolampis Germ., 240.
Pyrrhocoridae Fieb., 201.
†*Pyrrhocoridae Kirk.*, 147.
Pyrrhocoriformes Reut., 200
Pyrrhocorinae A. & S., 205.
Pyrrhocoris Fall., 205.
†*Pyrrhotes Bergr.*, 126.
Pyrrhotes Westw., 126.

Queseda Dist., 499.
Quilnus Stål, 136.

Ramphocorixa Abb., 478.
Ranatra Fabr., 461.
Ranissus Fieb., 724.
Rasahus A. & S., 251.
†*Reduvides Stål*, 258.
†*Reduviida Stål*, 259.
Reduviidae Latr., 231.
Reduviiformes Reut., 225.
Reduviinae A. & S., 244.
Reduvioideae Reut., 224.
Reduviolaria Reut., 276.
Reduviolina Reut., 276.
Reduviolus Kby., 277.
†*Reduviolus Reut.*, 280.
Reduvius Fabr., 244.
†*Reduvius Stål*, 262.
Repipta Stål, 264.
Restheniaria Reut., 309.
†*Resthenia Reut.*, 309.
Reuteria Put., 390.
Reuteroscopus Kirk., 405.
Rhabdocoris Kol., 110.
Rhacognathus Fieb., 75.
Rhagovelia Mayr, 434.
†*Rhaphigaster Spin.*, 56.
Rheumatobates Bergr., 431.
Rhiginia Stål, 253.
Rhinacloa Reut., 418.
Rhinaulacinae Kirk, 508.
Rhinocapsus Uhl., 409.
Rhinopsylla Riley, 790.
Rhombogaster Dall., 94.
Rhopalides A. & S., 117.
Rhopalotomus Fieb., 337.
Rhopalus Schill., 120.
Rhynarius Hahn, 292.
Rhynchopteryx Van D., 755.
Rhynocoris Hahn, 261.
Rhyparochrominae Stål, 177.
Rhyparochromini Stål, 188.
Rhyparochromus Curt., 190.
Rhyparopharus Stål, 94.
Rhytidolomia Stål, 34.
Rhytidoporus Uhl., 19.
Rihana Dist., 489.
Rileya Mlch., 744.
Riparii Burm., 437.
Ripicolae A. & S., 272.
Rocconota Stål, 266.
Romicpus Reed, 166.
Runibia Stål, 57.

Saica A. & S., 239.
Saicinae Stål, 238.
†*Salacia Dist.*, 189.
Salda Fabr., 440.
†*Salda Latr.*, 169.
Saldidae Dohrn, 437.
Saldidae A. & S., 437.
Saldinae Van D., 438.
Saldoida Osb., 447.
Saldoidinae Reut., 447.
Saldula Van D., 441.
Sandaliorrhyncha Brnr., 476.
†*Sastragala Fieb.*, 67.
Scaphoideus Uhl., 629.
Scarides A. & S., 609.
Schizopteridae Reut., 422.
Schumannia Champ., 242.
Sciocorini A. & S., 28.
Sciocoris Fall., 28.
Sciodopterus A. & S, 430.
Scolopocerus Uhl., 102.
Scoloposcelis Fieb., 296.
Scolopostethus Fieb., 199.
Scolops Schm., 720.
Scolopsella Ball, 717.
Scotinophara Stål, 26.
Scutelleridae Lch., 2.
Sehirini Stål, 23.
Sehirus A. & S., 24.
Semium Reut., 397.
Sephina A. & S., 98.

Serenthiini Stål, 223.
Sericophanes Reut., 367.
Serinetha Spin., 125.
Serinetharia Stål, 125.
Serphus Stål, 470.
Serripedes A. & S., 569.
Sesellius Dist., 297.
Sigara Fabr., 486.
Sigarida Stål, 477.
Sinea A. & S., 269.
Siphonata Retz., 487.
Sirthenea Spin., 252.
Sixeonotus Reut., 359.
Smilia Germ., 543.
Smiliinae Stål, 521.
Smiliini Godg., 543.
Solenonotus Reut., 296.
Solubea Bergr., 39.
Spanbergiella Sign., 624.
Spartocera Lap., 97.
Spartoceridae Dall., 97.
‡*Spartocerus Burm.*, 97.
Sphaerobius Uhl., 179.
Sphalerocoris Flor, 144.
Sphigmocephalus Endl., 225.
Sphodrocoris Stål, 251.
Sphragisticus Stål, 193.
Sphyracephalus D. & S., 398.
Sphyrocoris Mayr, 8.
Sphyrops D. & S., 398.
Spilolonius Stål, 243.
†*Spilostethus Bergr.*, 150.
Spinda Stål, 264.
Spiniger Burm., 249.
Spissipèdes A. & S., 226.
Stachyocnemus Stål, 115.
†*Stalagmostethus Kirk.*, 150.
Stenocoris Burm., 110.
Stenocoris Ramb., 182.
Stenocranus Fieb., 762.
‡*Stenocarenus Fieb.*, 763.
Stenodema Lap., 302, 303.
Stenolemaria Kirk., 233.
Stenolemus Sign., 234.
Stenomacra Stål, 204.
Stenopirates Walk., 224.
Stenopoda Lap., 242.
Stenopodinae A. & S., 239.
Stenoscytus Mayr, 469.
Stenotus Jak., 322.
Stephania Wht., 430.
Stephanitis Stål, 216.
Stephaulax Bergr., 7.
Sternorhyncha A. & S., 781.
Stethatropis Fieb., 191.
Sthenarops Uhl., 396.
Sthenarus Fieb., 407.
Stictocephala Stål, 526.
Stictocoris Kirk., 69.
Stictolobus Metc., 529.
Stictonotion Kirk., 69.
Stictonotus Stål, 69.
Stictopelta Stål, 557.
Stictopleurus Stål, 121.
Stignocoris D. & S., 191.
‡*Stiphrosoma Fieb.*, 377.
Stiphrosomidae D. & S., 374.
Stiphrosomus Fieb., 376.
Stirellus O. & B., 660.
Stiretroides Schtd., 69.
Stiretrosoma Spin., 69.
Stiretrus Lap., 69.
Stiroma Fieb., 780.
Stobaera Stål, 771.
Stragania Stål, 589.
Straganiopsis Bak., 588.
Stridulantes Latr., 488.
Stroggylocephalus Flor, 617.
‡*Strongylocephalus Kschb.*, 617.
Strongylocoris Blnch., 376.
Strongylotes Reut., 408.
Stygnus Fieb., 191.
Subtericornes A. & S., 717.
Supericornes A. & S., 83.
Syrtides Ramb., 226.
Syrtis Fabr., 227.
Sysinas Dist., 362.
Systelloderus Blnch., 225.
Systellonotaria Reut., 366.

Taeniorphus Stål, 262.
Tangia Stål, 739.
Telamona Fh., 536.
Telamonanthe Bak., 542.
Telamonini, Godg., 531.
Teleonemia Costa, 221.
Teleorhinus Uhl., 367.
Telepta Stål, 78.
Tempyra Stål, 189.
Tenagobia Bergr., 477.
Tenagogonus Stål, 429.
Teracriina Stål, 173.
Teratocoris Fieb., 308.
Teratodella Reut., 365.
Teratodellaria Reut., 364.
Termatophylidae Reut., 297.
Tetigonia Geof., 595.
Tetigonia Kirk., 596.
Tetigoninae Kirk., 591.
Tetigonini Kirk., 591.
Tetragonocephala Crawf., 799.
†*Tetraphleps Prov.*, 288.
Tetrarhinus Prov., 108.
Tettigades A. & S., 499.
Tettigadesini Dist., 499.
Tettigetta Kol., 506.
Tettigia Kol., 496.
†*Tettigonia Fall.*, 500.
Tettigonia Fabr., 489, 496.
Tettigonia Reaum., 595.
Tettigonides A. & S., 591.
Tettigonides Fall., 488.
Tettigoniella Jcby., 596.
Tettigoniellidae Mlch., 591.
Tettigoniellini Jcby., 591.
Tettigonioideae Spin., 590.
Tettigonitae Spin., 569.
†*Tetyra Burm.*, 11.
Tetyra Fabr., 3.
Tetyrae Fieb., 3.

Tetyrinae Stål, 3.
Texas Kirk., 48.
Thamnotettix Zett., 676.
Thamnotettixaria Dist., 652.
Thamnus Fieb., 692.
Thasus Stål, 92.
Thelia A. & S., 533.
Thelima A. & S., 54.
Theognis Stål, 88.
Thionia Stål, 748.
Thops Gist., 166.
Thyanta Stål, 51.
Thyreocoridae Kirk., 13.
Thyreocorinae Van D., 13.
Thyreocoris Schr., 13.
Thyrillus Uhl., 325.
Tibicen Latr., 488.
†*Tibicen Latr.*, 500.
Tibiceninae Van D., 488.
Tibicenini Van D., 488.
Tibicina Kol., 500.
Tibicinae Van D., 488.
Tibicininae Dist., 498.
Tibicinini Dist., 500.
Tibicinoides Dist., 504.
Ticida Uhl., 726.
Tichorhinus Fieb., 391.
Timodema Ball, 725.
Tingididae Lap., 209.
Tingidinae A. & S., 211.
Tingidini Stål, 211.
†*Tingis Banks*, 220.
†*Tingis Lap.*, 216.
Tinobregmus Van D., 691.
Tiryus Kirk., 381.
Tivarbus Stål, 111.
Tollius Stål, 114.
†*Tomaspis Stål*, 508.
Tominotus M. & R., 19.
Trachelomiris Reut., 299.
Trapezonotus Fieb., 192.
Trepobates Uhl., 430.
Triatoma Lap., 247.
Trichia Reut., 381.
Trichocoris Uhl., 19.
Trichocorixa Kirk., 486.
Trichopepla Stål, 33.
Trichosternus M. & R., 19.
Trichotelocera Reut., 421.
Trigonotylus Fieb., 306.
Trioza Frst., 792.
Triozinae Put., 791.
Triozoida Crawf., 798.
Triphleps Fieb., 293.
Tritomacera Costa, 200.
Tritomegas A. & S., 24.
Trochopus Carp., 435.
Tropidophora Bier., 720.
Tropidosteptes Uhl., 350.
Tropiduchinae Stål, 739.
Tuberculocentrus Godg., 567.
Tuberculnota Godg., 564.
Tuponia Reut., 415.
Tylana Stål, 744.
Tylocentrus Van D., 567.
Tylopelta Fowl., 563.
Tylospilus Stål, 81.
Tynotoma A. & S., 126.
Typhlocyba Germ., 707.
†*Typhlocyba Fh.*, 699.
†*Typhlocyba Shlbg.*, 708.
Typhlocybaria Dist., 707.
Typhlocybini Kschb., 698.
Typonotus Uhl., 817.
Tytthus Fieb., 824.

Uhleria Crawf., 799.
Uhleriella Ball, 626.
Uhleriola Horv., 195.
Umbonia Burm., 557.

Valdasaria Dist., 364.
Valdasus Stål, 364.
Vanduzea Godg., 552.
Vanduzeeina Schtd., 12.
Velia Latr., 436.
Veliens Brul., 423.
Veliidae A. & S., 432.
Veliomorpha Carl., 433.
Vulsirea Spin., 56.

Weda Schtd., 27.

Xantholobus Van D., 549.
Xenoborus Reut., 350.
Xenocorini Kirk., 401.
Xenogenus Berg, 119.
Xerocoris Van D., 91.
Xerophloea Germ., 616.
Xestocephalus Van D., 621.
Xestocoris Van D., 198.
Xiphares Stål, 100.
Xuthus Stål, 94.
Xylocoraria Reut., 295.
Xylocoris Duf., 290.
†*Xylocoris Westw.*, 296.
Xylonannus Reut., 422.

Zaitha A. & S., 467.
Zammarini Dist., 498.
Zelini A. & S., 258.
Zelurus Hahn, 249.
Zelus Fabr., 259.
†*Zelus Blnch.*, 268.
Zicca A. & S., 106.
Zicrona A. & S., 81.
Zinneca A. & S., 610.
Zophoessa Dall., 6.
Zosmenidae Dohrn, 210.
Zosmenus Lap., 210.
Zuela Fh., 526.
Zygina Fieb., 711.

INDEX TO SPECIES

(Numbers are species-numbers except where preceded by the letter p. for page)

abbas Bergr., Aradus, 387.
abbottii Kby., Otiocerus, 2691.
abbreviata Fabr., Cicada, 1561.
abbreviatus O. & B., Deltocephalus, 2048.
abbreviatus Wolff, Miris, 879.
abbreviatus (Uhl.), Peribalus, 93.
abbreviatus (Uhl.), Phlegyas, 513.
abbreviatus DeL., Platymetopius, 2027½.
abdominalis (Say), Arctocorixa, 1420.
abdominalis (Fabr.), Deltocephalus, 2072.
abdominalis (Van D.), Eugnathodus, 2377.
abdominalis (Guer.), Ligyrocoris, 540.
abdominalis (H.S.), Melanolestes, 746.
abdominalis (Westw.), Rhaphigaster, 176.
abietis Fh., Athysanus, 1824.
†*abietis Retz., Cimex,* 605.
abjecta (Uhl.), Philaronia, 1558.
ablutus McAt., Paracalocoris, p. 820.
abnormis (Wlsh.), Dikraneura, 2387.
abnormis Ball, Scolops, 2479.
abrupta Say, Pentatoma, 179.
abruptus Ball, Platymetopius, 2031.
acaciae Crawf., Aphalaroida, 2836.
acceptus McAt., Paracalocoris, 984¾.
accisa Walk., Entylia, 1716*a*.
acclivata Emns., Telamona, 1622.
†*achatina Ball, Clastoptera,* 1562*c*.
achatina Germ., Clastoptera, 1562a.
acridioides Fabr., Coreus, 236.
aculeata Crawf., Arytaina, 2911.
aculeata Van D., Ceresa, 1575.
acuminata (Uhl.), Arctocorixa, 1421.
†*acuminata Harr., Hemiptycha,* 1615.
acuminatus Van D., Acinopterus, 2249.
acuminatus (Bak.), Euscelis, 2150.
acuminatus (Fabr.), Evacanthus, 1884.
acuminatus (Fabr.), Glossonotus, 1617.
acuminatus (Say), Oncerotrachelus, 717.
acuta Drke., Dolichocysta, p. 816.
acuta (Walk.), Draeculacephala, 1870.
acuta Ball, Orgamara, 2490.
acuta Stål, Phymata, 690.
acuta (Crawf.), Psyllia, 2935*b*.
acutangula (Guer.), Phymata, 690.
†*acutangula Stål, Phymata,* 689*d*.
acuticauda (Bak.), Aconura, 2117.
acuticornis Stål, Platycentrus, 1749.
acutissimus Stål, Podisus, 234.
acutus Say, Aradus, 375.
acutus Van D., Cyrtolobus, 1680.
acutus (Uhl.), Flatoides, 2667.
acutus (Say), Platymetopius, 2014.
adducta Uhl., Lygaeosoma, 460½.
adjunctor (Walk.), Euschistus, 157.
adjunctus Horv., Scolopostethus, 610.
admirabilis Uhl., Lygaeus, 459.
admittens Walk., Proconia, 1848.
adspersus Schill., Capsus, 1031.
adustus Hdy., Acucephalus, 1933.
adustus, Gmel., Cimex., 1071.
adustus McAt., Paracalocoris, 984⅛.
aeneifrons (Say), Homaemus, 14.
aeneipes Sign., Rhagovelia, p. 435.
aeneiventris Voll., Poeciolcoris, 4*b*.
aeneo-nitens Stål, Pothea, 753.
aeola (Dall.), Jadera, 359.
†*aequalis Prov., Aradus,* 362.
aequalis Say, Aradus, 360.
aequalis (Say), Hymenarcys, 140.
aerugineus Fourc., Cimex, 1014.
aeruginosa A. & S., Hymenarcys, 139.
aesculi O. & D., Corythucha, 649½.
aethiops A. & S., Cydnus, 43.
affiguratus Uhl., Plagiognathus, 1232.
affinis Westw., Acanthosoma, 203.
affinis Westw., Alydus, 317.
affinis Kby., Aradus, 386.
affinis Van D., Brochymena, 86.
affinis Dist., Capsus, 920.
†*affinis Mey., Capsus,* 1014.
affinis G. & B., Deltocephalus, 2079.
affinis Dohrn, Emesa, 709.
affinis Fh., Erythroneura, 2445*d*.
affinis Dall., Harmostes, 340.
affinis (Reut.), Horcias, 1000*c*.
affinis Reut., Miris, 883.
affinis Van D., Orthotylus, 1177½.
†*affinis Van D., Scolopostethus,* 610.
affinis Westw., Spartocera, 277.
affinis Van D., Stobaera, 2752.
agavis Reut., Caulotops, 1085.
aggressor Walk., Rhaphigaster, 229.
agilis Fabr., Cimex, 1158.
agilis (Uhl.), Dicyphus, 1108.
agilis Spin., Nabis, 829*a*.
agrestis Fall., Lygaeus, 589.
agrestis (Fall.), Stroggylocephalus, 1932.
alabamensis Bak., Macropsis, 1836.

alabamensis Bak., Nysius, 466*a*.
alacris Stål, Cicada, 1482.
alacris Walk., Thaumastopus, 566.
alacris Flor, Trioza, 2875.
alaskensis (Ashm.), Psyllia, 2928.
alaskensis Ashm., Aphalara, 2827.
alatus Mull., Cimex, 345.
†*alatus Burm., Diactor,* 237.
†*alatus H.S., Diactor,* 239.
alba (Crawf.), Psyllia, 2921.
albatus (Van D.), Plagiognathus, 1237.
albescens Van D., Ceresa, 1571.
albescens Drke., Gargaphia, p. 817.
albicans Wlsh., Empoa, 2439.
albiceps Prov., Ptyelus, 1560*d*.
albicinctus Say, Anisoscelis, 244.
albicinctus Germ., Cixius, p. 736.
albicollis Fabr., Cimex, 170.
†*albida B. & B., Buenoa,* 1362.
albida (Champ.), Buenoa, 1360.
albida Kirk., Notonecta, 1352.
albida Ball, Orgamara, 2495.
albidicoxis Reut., Atractotomus, 1248.
albido-sparsa Stål, Ceresa, 1581.
albidus O. & B., Deltocephalus, 2036.
albidus (Ball), Eutettix, 2190.
albidus Jak., Nysius, 470.
albidiventris Stål, Dysdercus, 628.
albidivittis Stål, Garganus, 972.
albifrons (Linn.), Acucephalus, 1936.
albifrons Crawf., Trioza, 2861.
albiger (Germ.), Acucephalus, 1936*e*.
albiger Reut., Anthocoris, 855.
albimarginata Woodw., Gypona, 1917.
albipennis Woodw., Cicada, 1483.
†*albipennis Uhl., Corimelaena,* 40.
albipennis Say, Thyreocoris, 42.
albipennis H. S., Xylocoris, 846.
albipes Fabr., Cimex, 111.
albirenis H.S., Edessa, 202.
albivenosus Fh., Blissus, 496.
albiventris Burm., Chariesterus, 285.
albiventris Fstr., Trioza, 2864.
albofasciata Reut., Leucopoecila, 1249.
albo-fasciatus Reut., Cyrtopeltocoris, 1096.
albolinea Gill., Empoasca, 2402.
albolineosa Fowl., Liburnia, 2796.
alboneura Gill., Empoasca, 2418.
albonotata Champ., Microvelia, 1304.
albonotatus A. & S., Piezogaster, 271.
albonotatus Van D., Scaphoideus, 1986.
albonotatus Dall., Sehirus, 71.
albonotus Barb., Scaphoideus, 1986.
albopicta Frbs., Empoa, 2421.
albopicta Buckt., Hypheus, 1611.
albopicta Handl., Phymata, 686.
albopunctatus Scholz, Aradus, 391.
albopunctatus (DeG.), Arvelius, 192.
albopunctulatus (P.B.), Proxys, 137.
alboscripta Van D., Empoasca, 2419.
albosignata Uhl., Gypona, 1922.
albosignatus Van D., Achorotile, 2717.
albosignatus Prov., Reduvius, 733.
albostriella (Fall.), Alebra, 2380.
albovenosa Mlch., Phyllocelis, 2484*a*.
albulus Dist., Lygaeus, 442.
alni Kngt., Lygus, p. 822.
alni (Linn.), Psyllia, 2940.
alpha Fowl., Oncometopia, 1846.
alpigena Mey., Aphalara, 2825.
alpina Kol., Phytocoris, 1031.
alpinus Scop., Cimex, 1341.
alpinus (Ball), Euscelis, 2135.
alpinus Van D., Microphylellus, 1226½.
alta Funkh., Telamona, 1627.
alternans H.S., Lygaeus, 428.
alternata (Say), Arctocorixa, 1422.
alternatus (Say), Archimerus, 271.
alternatus (Say), Eurygaster, 19.
alternatus Fh., Idiocerus, 1781.
alternatus Uhl., Orthotylus, p. 396.
altus O. & B., Phlepsius, 2221.
alymeriae Ptch., Trioza, 2874.
amabilis Ball, Idiocerus, 1776.
amandus Ball, Eutettix, 2186.
amazili Fairm., Umbonia, 1727.
ambigua (Fstr.), Psyllia, 2923½.
ambulans (Fall.), Mecomma, 1187.
americana Dall., Aelia, 144.
†*americana Prov., Aelia,* 145.
americana Crawf., Aphalara, 2829*a*.
americana Van D., Cicadula, 2356*a*.
americana Pshly., Dictyonota, p. 815.
americana Champ., Gardena, 712.
americana (Uhl.), Microvelia, 1307.
†*americana Ashm., Notonecta,* 1351.
americana Fabr., Notonecta, 1355.
†*americana Gmel., Notonecta,* 1352.
americana Fh., Penthimia, 1894.
americana (Crawf.), Psyllia, 2925.
‖*americana (Crawf.), Psyllia,* 2940*a*.
americana Montd., Ranatra, 1383.
americana Godg., Tropidoscyta, 1740.
†*americanum Uhl., Belostoma,* 1389, 1391.
americanus H.S., Aradus, 375.
americanus Prov., Cephalelus, 2583.
americanus Stål, Ceraleptus, 332.
americanus (Leidy), Lethocerus, 1388.
americanus (Uhl.), Ochterus, 1412.
americanus Bak., Philaenus, 1559.
americanus Van D., Plinthisus, 584.
americanus Stål, Rhacognathus, 219.
americanus (Bergr.), Rhynocoris, 777*a*.
americanus Reut., Systratiotus, 995.
americanus Dall., Xylocoris, 840.
amicta Uhl., Bolteria, 1245.
amiculus McAt., Paracalocoris, p. 820.
amoenus (Prov.), Closterocoris, 1099.
amoenus (Uhl.), Coquillettia, 1105.
amoenus Van D., Idiocerus, 1775.

amoenus Reut., Macrotylus, 1201.
amoenus (Uhl.), Miris, 881.
amoenus (Reut.), Neoborus, 1041.
amoenus Uhl., Pilophorus, 1131.
amorphae (Mlly.), Arytaina, 2909.
amorphae (Walsh), Gargaphia, 654*a*.
ampelopsidis (Harr.), Telamona, 1646.
ampliata Stål, Acholla, 798.
ampliata Van D., Platypedia, 1540.
ampliatus Uhl., Aradus, 381.
amyoti Guer., Lygaeus, 547.
amyotii Fh., Otiocerus, 2697.
anaemus Bergr., Calisius, 398.
analis (Crawf.), Liburnia, 2799.
anatina Dist., Lampethusa, 978.
anchorago Westw., Pentatoma, 207*b*.
anchorago (Fabr.), Stiretrus, 207.
†*anchorago Kirk., Stiretrus,* 616.
†*anchorago Schout., Stiretrus,* 207*a*.
ancilla Stål, Carineta, 1509.
ancora McAt., Paracalocoris, p. 820.
ancora Spin., Vulsirea, 176*b*.
ancorifer Fieb., Apocremnus, 1243.
andreae (Linn.), Dysdercus, 632.
andrewsi (Guer.), Anasa, 303.
andromeda Van D., Liburnia, 2800.
angularis (Walk.), Murgantia, 175.
angularis (Uhl.), Pseudopsallus, 1190.
angulata Ball, Aphrophora, 1547.
angulata (Walk.), Ceresa, 1586.
angulata Heid., Gergaphia, 657.
angulata Spångb., Gypona, 1911.
angulata Van D., Stictocephala, 1592*b*.
angulatus Uhl., Maurodactylus, 1269.
angulatus Osb., Megamelus, 2720.
angulatus (Uhl.), Orthotylus 1179.
angulifera (Walk.), Draeculacephala, 1873.
†*angulifera G. & B., Lepyronia,* 1558.
angulifera Uhl., Lepyronia, 1556.
angusta Walk., Monecphora, 1545.
angusta Spin., Nabis, 828.
angustata Uhl., Dyctidea, 2623.
angustatus Guer., Belostoma, 1387.
angustatus Van D., Crophius, 523.
angustatus Stål, Cymus, 484.
angustatus (Osb.), Euscelis, 2147.
angustatus Uhl., Globiceps, 1162.
angustatus Uhl., Nysius, 470.
†*angustatus Van D., Nysius,* 468.
angustatus Osb., Platymetopius, 2020.
angustatus Van D., Rhyparochromus, 582.
angustatus Uhl., Scolops, 2477.
angustatus Popp., Solenonotus, 870.
angustipennis Crawf., Aphalara, 2818.
angustipes (Mayr), Lethocerus, 1390.
angustulus Reut., Phytocoris, 931.
angustus Brul., Nabis, 828.
animanus Ball., Eutettix, 2171.
annellata Tmsn., Chermes, 2923½.
annexa Uhl., Corixa, p. 486.
annexus Uhl., Cyrtolobus, 1710.
annexus Uhl., Lygus, 1033.
annulata Ball, Aphrophora, 1552.
†*annulata Uhl., Brochymena,* 85.
†*annulata Walk., Brochymena,* 81.
annulata Harr., Cimex, 733.
annulata Uhl., Pronotacantha, 425.
annulata (Fh.), Psyllia, 2933.
annulatus O. & D., Atheas, p. 818.
annulatus Fabr., Cimex, 89.
annulatus Reut., Nabis, 823.
annulatus Uhl., Plagiognathus, 1240.
annulicornis Stål, Namacus, 291.
annulicornis Banks, Phlegyas, 511, 513.
†*annulicornis Osb., Phytocoris,* 922.
annulicornis (Reut.), Phytocoris, 930.
annulicornis (Stål), Rocconota, 791.
†*annulicrus Berg, Phlegyas,* 513.
annulicrus Stål, Phlegyas, 511.
annulipes Boh., Aradus, 379.
annulipes Guer., Anisoscelis, 258.
annulipes Stål, Barce, 713.
annulipes (H.S.), Lethocerus, 1392.
annulipes Stål, Phymata, 687.
annulipes Stål, Ranatra, 1386.
annulipes Van D., Rhynocoris, 777*b*.
annulipes Champ., Velia, 1315.
anoflava Buckt., Heliria, 1626.
anomala Crawf., Aphalara, 2831.
antennalis Reut., Phytocoris, 928.
†*antennalis Van D., Phytocoris,* 929.
antennata Van D., Ptochiomera, 560.
antennata Crawf., Rhinopsylla, 2847.
antennata Pshly., Hesperotingis, p. 818.
antennator (Fabr.), Chariesterus, 283.
†*antennatus Flor, Miris,* 898.
antennatus Uhl., Psallus, p. 407.
antenni-rectus Goeze, Cimex, 879.
antevolens White, Anthrocoris, 859.
anthocoroides Uhl., Pamerocoris, 1091.
anthracina Uhl., Salda, 1322.
anthracinus Uhl., Ectopiocerus, 973.
anthracinus (Van D.), Euscelis, 2139.
anthracinus (Uhl.), Lobolophus, 70.
anthracinus (Uhl.), Thyreocoris, 29.
antica H.S., Anisoscelis, 250.
antica Walk., Tettigonia, 1874.
anticonigra Fairm., Acutalis, 1602*a*.
anticus Sign., Corizus, 346.
anticus Walk., Lygaeus, 358.
antiguensis (Westw.), Thyanta, 162.
antillarum Kirk., Tetyra, 1.
antonina Walk., Enchenopa, 1734.
anurus H.S., Diplonychus, 1395.
apache Kirk., Belostoma, 1400.
apacheanus Kirk., Cochise, 2749.
aperta Van D., Platypedia, 1542.
apertus Van D., Phlepsius, 2236.
aphidioides Van D., Pissonotus, 2737.

apiatus (Uhl.), Chlamydatus, 1263.
apicalis Sign., Acucephalus, 1936*d*.
apicalis (O. & B.), Bythoscopus, 1836.
apicalis (DeL.), Erythroneura, 2445*k*.
apicalis (Dall.), Ficana, 299.
apicalis Van D., Hecalus, 1950.
apicalis Fieb., Lygus, 1024.
apicalis Van D., Macrotyloides, 1196½.
apicalis (Dall.), Stachyocnemus, 330.
apicalis (Walk.), Vanduzea, 1711.
apicatus Osb., Deltocephalus, 2062.
apiculata Uhl., Nepa., 1379.
apiculatus Reut., Oncocephalus, 729.
apiophila Fstr., Psylla, 2922.
approximata R. & F., Nezara, 178.
approximatus (Stål), Lygus, 1029.
aptera Stål, Fitchia, 789.
†*aptera Walk., Gerris*, 1283.
apterus Fh., Blissus, 496.
apterus (Linn.), Halticus, 1119.
apterus (Linn.), Pyrrhocoris, 626.
aquila H.S., Pachycoris, 4*a*.
arbolensis Crawf., Paratrioza, 2853.
arborea (Say), Brochymena, 81.
arborea Ball, Paropulopa, 1760.
arbuti Schw., Euphyllura, 2896.
arbuticola Crawf., Euphyllura, 2897.
arctica (Walk.), Psyllia, 2924½.
arctostaphylae Van D., Okanagana, 1513.
arctostaphylae Ball, Phlepsius, 2204*a*.
arctostaphylae Van D., Phymata, 689*c*.
arctostaphyli Schw., Euphyllura, 2895.
arctostaphyli (Ball), Euscelis, 2142.
arcuata G. & B., Cicadula, 2361.
arcuata Fabr., Cimex, 1.
arcuata (Say), Corythucha, 639.
arcuata (Say), Vanduzea, 1709.
arcuatus Kschb., Acucephalus, 1936*b*.
arcuatus (Emns.), Cyrtolobus, 1671.
ardens McAt., Paracalocoris, p. 820.
areatus Harr., Jassus, 1983.
areatus Kngt., Lygus, p. 821.
†*arenarius Uhl., Emblethis*, 597.
arenarius (Linn.), Trapezonotus, 589.
areolata Uhl., Dictyssa, 2606.
areolata (Uhl.), Platypedia, 1538.
areolatus Ball, Deltocephalus, 2035.
areolatus Bak., Phlepsius, 2200.
areolatus Van D., Thamnotettix, 2277.
argenteolus (Uhl.), Aconura, 2121.
argenticollis Parsh., Gerris, 1288½.
argus Rey, Acucephalus, 1936*g*.
aridellus Boh., Deltocephalus, 2077.
aridus Ball, Errhomenellus, 1893.
aridus Ball, Oliarus, 2532.
arizona Godg., Stictopelta, 1725.
arizonae Aulm., Trioza, 2868.
arizonensis Barb., Dendrocoris, 197.
arizonensis Godg., Evashmeadea, 1714.
arizonensis (Banks), Ploiaria, 704.
arizonica Banks, Spiniger, 744.
arizonicus Ckl., Macrocephalus, 696.
arkansasensis Fh., Clastoptera, 1568.
armata Bckt., Dicraneura, 2387½.
armata (Burm.), Rhagovelia, 1311.
armatipes Walk., Rhyparochromus, 613.
armigera (Say), Anasa, 307.
arphnoides Bak., Ortholomus, 464.
artemisiae Fstr., Aphalara, 2817.
artemesiae G. & B., Athysanus, 2100.
artemisiae Schill., Capsus, 1031.
artemesiae Kirk., Danepteryx, 2628.
arundineus Crmb., Deltocephalus, 2064.
arvensis (Fh.), Liburnia, 2772.
arvicola Latr., Lygaeus, 840.
ashmeadi Montd., Archimerus, 273.
ashmeadi Heid., Leptoglossus, 251.
asodalis Godg., Potnia, 1729.
aspersa G. & B., Empoasca, 2417.
assimilis Crawf., Arytaina, 2906.
assimilis (Reut.), Cardiastethus, 867.
assimilis Uhl., Coriscus, 831.
assimilis Crawf., Trioza, 2870.
associata O. & D., Corythucha, 649¾.
associatus (Uhl.), Chlamydatus, 1260.
astigmata (Crawf.), Psyllia, 2937.
ater Dall., Alydus, 323.
ater (Bak.), Bythoscopus, 1843.
ater (Linn.), Capsus, 1008.
ater Geoff., Cimex, p. 823.
†*ater Poda, Cimex*, 733.
ater (Duf.), Dufouriellus, 871.
†*ater Wirtn., Geocoris*, 502.
ater Van D., Pissonotus, 2726.
ater (A. & S.), Thyreocoris, 27.
athenae Crawf., Rhinopsylla, 2846.
atlanticus Horv., Scolopostethus, 611.
atlas (Godg.), Centrodontus, 1744.
atra Van D., Dictyobia, 2620.
atra Van D., Neoslossonia, 1949.
atra Germ., Phylloscelis, 2484.
†*atrata Van D., Microtoma*, 594.
atrata Bueno, Microvelia, 1306¼.
atratus Fabr., Alydus, 317.
atratus Dist., Fulvius, 1093.
atratus (Dist.), Pycnoderes, 1080.
atratus (Uhl.), Strongylocoris, 1124.
atricolor Montd., Geocoris, 504.
atricornis (Van D.), Elasmostethus, 206.
atricornis Stål, Trichopepla, 99.
atridorsum Van D., Thamnotettix, 2286.
atriflavus Kngt., Lygus, p. 821.
atrinotatus Kngt., Lygus, p. 822.
atrispinus Stål, Chlorocoris, 166.
atripennis (Reut.), Platytylellus, 904.
atriseta Van D., Labopidea, 1195½.
atritylus Kngt., Lygus, p. 822.
atrolabes Gill., Empoasca, 2401.
atropuncta (Gill.), Aconura, 2123.
†*atropunctata Ball, Tettigonia*, 1856.

atropunctatus Van D., Thamnotettix, 2259.
attenuata (Bak.), Aconura, 2114.
attractus Ball, Phlepsius, 2205.
audax Banks, Zelus, 775.
augur Say, Pentatoma, 117.
auletes (Germ.), Tibicen, 1484.
†*aulicus H.S., Lygaeus,* 432.
aurantiaca Crawf., Trioza, 2869.
†*aurantiacum B. & B., Belostoma,* 1394.
aurantiacum Leidy, Zaitha, 1393.
aurantiacus (Prov.), Thamnotettix, 2278.
auratus G. & B., Deltocephalus, 2091.
auratus Ball, Eutettix, 2172.
aurea Wlsh., Typhlocyba, 2380*a*.
aureolus Van D., Thamnotettix, 2277.
aureoscericea Fowl., Bolbonota, 1743.
aureotecta S. & D., Empoa, 2430¾.
aureoviridis (Uhl.), Empoasca, 2396.
auriculata Fh., Smilia, 1661.
auriculatus Stål, Capaneus, 267.
aurifera (Say), Tibicen, 1480.
aurigena Walk., Proconia, 1848.
aurivillii Bergr., Pictinus, 402.
auronitens Prov., Scaphoideus, 1983.
aurora Bak., Tettigonia, 1857.
auroreum (Uhl.), Hysteropterum, 2600.
australis (Wlsh.), Empoa, 2431.
australis Say, Hydrometra, 1282.
australis (Davis), Tibicen, 1475*a*.
australis Bueno, Velia, 1315½.
austroriparius Heid., Atheas, 679.
axialis Van D., Kelisia, 2706.
azaleae Horv., Stephanitis, 652.
azteca (Kirk.), Tibicen, 1492.

bactriana Germ., Entylia, 1716.
badia Walk., Proconia, 1846.
badius Van D., Ischnodemus, 495.
badius H.S., Mononyx, 1410.
bajula Godg., Vanduzea, 1714.
bakeri Popp., Anthocoris, 856.
bakeri Mont., Belostoma, 1398.
bakeri Bergr., Chlamydatus, 1266.
bakeri Reut., Phytocoris, 942.
bakeri Crawf., Trioza, 2855.
balanodis Abb., Ramphocorixa, 1419.
balli Osb., Chlorotettix, 2332.
balli Van D., Deltocephalus, 2097.
balli Van D., Draeculacephala, 1869.
balli (Van D.), Vanduzeeina, 26.
balteata Zett., Cicada, 2072.
†*balteatus? Van D., Ligyrocoris,* 537.
banksi Bak., Barce, 716.
banksi Barb., Ochterus, 1413.
barbarae Kirk., Danepteryx, 2627.
barbata Van D., Telamona, 1630.
barberi Van D., Ormenis, 2657.
barberi Davis, Pselliopus, 780.
barretti Bak., Neocoelidia, 2350.
bartschi Van D., Eutettix, 2166.
basalis Fh., Blissus, 496.
basalis Walk., Ceresa, 1580.
basalis Van D., Cixius, 2546.
basalis (Van D.), Macropsis, 1815.
basalis Fieb., Notonecta, 1357.
basalis Walk., Oplomus, 212*a*.
basalis (Dall.), Orthaea, 554.
basalis Walk., Pentatoma, 183.
basalis Van D., Pissonotus, 2724.
†*basalis Prov., Poeciloscytus,* 1185.
basalis Reut., Poeciloscytus, 991.
basilaris (Say), Erythroneura, 2445*d*.
basivitta Van D., Liburnia, 2769.
basivitta Walk., Ptyelus, 1561.
§*basivittis Van D., Platytylellus,* 905.
basivittis Reut., Poeciloscytus, 994.
beginii Ashm., Halobatopsis, 1296, 1297.
behrensi Bergr., Aradus, 367.
behrensii (Uhl.), Heterogaster, 510.
behrensii Uhl., Pamillia, 1134.
belangeri Prov., Miris, 879.
belfragei Stål, Archasia, 1662.
belfragei Stål, Cyrpoptus, 2456.
belfragei Stål, Lygaeus, 440.
†*belfragei Prov., Lygus,* 1031.
belfragei Hagl., Protenor, 312.
belfragei Stål, Rhytidolomia, 103.
belfragei Stål, Teleonemia, 675.
belfrageii Reut., Metatropiphorus, 834.
belfrageii Reut., Lygus, 1018.
bella Van D., Hyalochloria, 1168½.
belli (Uhl.), Thamnotettix, 2275.
belligera Say, Membracis, 1728.
bellula Bueno, Corythaica, p. 817.
bellus Van D., Cymus, 486.
bellus Emns., Phytocoris, 1004.
berylina Westw., Pentatoma, 178.
biceps (Say), Systelloderus, 684.
bicincta (Say), Monecphora, 1545.
bicinctura Van D., Catonia, 2509.
bicinctura Godg., Publilia, 1721.
bicinctus Curt., Acucephalus, 1933.
bicinctus Walk., Capsus, 901.
bicinctus (Van D.), Microphylellus, 1227.
bicolor Fabr., Cicada, 2072.
bicolor H.S., Ectrychotes, 751.
bicolor (Van D.), Euscelis, 2157.
bicolor Van D., Lonatura, 2111.
†*bicolor Snow, Lygaeus,* 440.
bicolor (Osb.), Macropsis, 1816.
bicolor Ball, Megamelanus, 2710.
bicolor Fieb., Notonecta, 1357.
bicolor McAt., Paracalocoris, p. 820.
bicolor DeL., Platymetopius, 2031½.
bicolor Westw., Pyrrhotes, 358.
bicolor Ball, Scaphoideus, 2002.
bicolor Stål, Spiniger, 743.
bicolor Dür, Trioza, 2862.
bicolor Scholtz, Xylocoris, 851.
bicoloratus Ball, Eutettix, 2194.
biconica (Walk.), Tibicen, 1470.
bicornata Crawf., Laccocera, 2747.
bicornis (Fabr.), Bothriocera, 2527.
bicrucis Say, Lygaeus, 452.

bicuspis H.S., Anthocoris, 840.
bidens McAt., Paracalocoris, p. 820.
bifascia Walk., Monecphora, 1545.
bifasciata Stål, Amblyomia, 259.
bifasciata Prov., Delphax, 2751.
bifasciata G. & B., Empoa, p. 826.
bifasciata Prov., Livia, 2810.
bifasciata (Van D.), Macropsis, 1818.
†*bifasciata G. & B., Pediopsis,* 1820.
†*bifasciata Osb., Pediopsis,* 1819.
bifasciata Boh., Typhlocyba, 2430½.
bifasciata G. & B., Typhlocyba, 2430*a*, p. 826.
bifasciatus Fabr., Cimex, 1129.
†*bifasciatus Schr., Cimex,* 1128.
†*bifasciatus Fabr., Philaenus,* 1560*a*.
bifibulus (P.B.), Euschistus, 128.
bifida (Say), Edessa, 202.
bifida (Say), Kolla, 1859.
bifidus S. & D., Phlepsius, 2227½.
bifidus (Davis), Tibicen, 1471½.
biformis Stål, Euschistus, 133.
bifoveatum (Hald.), Belostoma, 1396.
bifusifera Walk., Enchenopa, 1735.
bigeloviae Bak., Agallia, 1770.
biguttata Uhl., Europiella, 1254.
biguttatus Goeze, Cimex, 1071.
biguttatus Schr., Cimex, 985.
biguttatus Reut., Orthotylus, 1171.
biguttatus (Say), Rasahus, 747.
biguttula Stål, Tempyra, 576.
biguttulatus Uhl., Psallus, 1216.
biimpressus Montd., Pelocoris, 1367.
bijugis Uhl., Homaemus, 15.
bilineata (Prov.), Arctocorixa, 1423.
bilineata (Say), Philaronia, 1559.
bilineatus H.S., Capsus, 1203.
bilineatus G. & B., Deltocephalus, 2033.
bilineatus (Say), Pangaeus, 58.
bilobata (Say), Orthaea, 549.
†*bilobata (Dist.), Pamera,* 550.
†*bilobata Prov., Pamera,* 537.
bilobata Van D., Stobaera, 2757.
bilobus Gmel., Cimex, 191.
bilobus Say, Zelus, 768.
bimacula Walk., Enchenopa, 1734.
bimaculata Guer., Corixa, 1420.
bimaculata (Thom.), Cosmopepla, 149.
bimaculata Spångb., Gypona, 1907.
bimaculata Woodw., Gypona, 1916.
bimaculata Dist., Pachygrontha, 518.
bimaculata (Fabr.), Thelia, 1615.
bimaculatus Linn., Cimex, 986.
bimaculatus Schr., Cimex, 1071.
bimaculatus G. & B., Deltocephalus, 2087.
bimaculatus Stål, Dysderus, 630.
binotata (Wlsh.), Alebra, 2381.*
binotata Ball, Clastoptera, 1567*b*.
binotata Dist., Cosmopepla, 152.
binotata (Say), Enchenopa, 1735.
binotata (Godg.), Micrutalis, 1606*a*.
binotata (Say), Phimodera, 24.
binotatus Kngt., Lygus, p. 822.
binotatus Spnr., Pissonotus, 2725.
binotatus (Fabr.), Stenotus, 969.
binotatus (Reut.), Xylocoris, 847*a*.
bioculatus (Fabr.), Perillus, 216.
bipunctata Ball., Orgamara, 2493.
bipunctata (H.S.), Tetyra, 3.
bipunctatus Sahlb., Capsus, 1016.
bipunctatus Fabr., Cimex, 985.
bipunctatus Kby., Ligyrocoris, 547.
bipunctatus Van D., Phytocoris, 929.
bipunctulata Woodw., Gypona, 1910.
bipunctulus H.S., Lygaeus, 436.
bipustulatus (Stål), Eurypohthalmus, 619.
birdii Godg., Empoasca, 2424.
bisignata Uhl., Mesovelia, 814.
bisignatus (Ball), Bythoscopus, 1840.
bispinus Westw., Metapodius, 238.
bistriangularis Say, Lygaeus, 441.
bistriata Gmel., Cicada, 1934.
bitransversus Sign., Lygaeus, 452.
bivittata (Say), Acanalonia, 2639.
bivittata (Ball), Aphelonema, 2593.
bivittata Prov., Corixa, 1423.
bivittata Rathv., Enchenopa, 1735.
bivittis (Stål), Platytylellus, 908.
blandus Gill., Deltocephalus, 2070.
blandus Ball, Scaphoideus, 2003.
blaisdelli (Uhl.), Clidophleps, 1535.
blatchleyi Reut., Plagiognathus, 1234.
bohemani (Stål), Crophius, 522.
bohemanii Sign., Corizus, 349.
bohemanni (Fall.), Microsynamma, p. 419.
bonnetii Kby., Anotia, 2683.
borealis Westw., Acanthosoma, 204.
borealis Dall., Anthocoris, 860.
borealis Heid., Aradus, 376.
borealis Fairm., Ceresa, 1579.
borealis S. & D., Chlorotettix, 2334½.
borealis Uhl., Corizus, 345.
borealis Dist., Cydamus, 314.
borealis (Dall.), Geocoris, 499*a*.
borealis Spng., Jassus, 2341.
borealis Bueno, Microvelia, 1303.
borealis Van D., Oecleus, 2554.
borealis Horv., Psyllia, 2927.
borealis Dall., Rhyparochromus, 600.
boreellus Reut., Nabis, 832.
boscii L. & S., Belostoma, 1395.
†*boscii Uhl., Perthostoma,* 1393.
bouchervillei Prov., Sciodopterus, 1321.
boxura Dall., Pentatoma, 140.
brachialis Stål, Velia, 1314.
brachycerus (Uhl.), Irbisia, 975.
brachyonyx Mayr, Abedus, 1406.
bracteatus (Fh.), Apateticus, 225.
bracteatus (Say), Halticus, 1121.
bracteatus Ball, Hecalus, 1951.
bradleyi Abb., Arctocorixa, p. 479.

bradleyi Van D., Draeculacephala, 1871.
bradleyi Kngt., Lygus, p. 821.
brasiliensis Reut., Ceratocombus, 1277.
brasiliensis Bak., Protalebra, 2379.
breviantennata Crawf., Trioza, 2856.
breviata (Ptch.), Psyllia, 2918.
breviatus Bergr., Aradus, 388.
breviceps Stål, Abedus, 1403.
breviceps Stål, Cymus, 487.
breviceps Fowl., Oliarus, 2532.
breviceps (Reut.), Plagiognathus, 1242.
brevicollis Montd., Ranatra, 1384.
brevicornis O. & D., Alveotingis, p. 818.
brevicornis Fh., Ceresa, 1583.
†*brevicornis Prov., Ceresa,* 1580.
brevicornis Champ., Leptoypha, 666½.
brevicoxa Banks, Emesa, 710.
brevipennis H.S., Cnemodus, 566.
brevipennis (Say), Emesa, 709.
brevipes Jak., Trigonotylus, 892.
brevirostris O. & D., Physatocheila, 665¼.
brevis Uhl., Camptobrochys, 1061.
brevis Walk., Ceresa, 1582.
brevis Walk., Enchenopa, 1735.
brevis Van D., Platymetopius, 2030.
brevis Ball, Telamona, 1659.
brevis Van D., Thyanta, 165.
brevis Van D., Tylopelta, 1741.
brevispinus Guer., Proxys, 138.
brevistigmata (Ptch.), Psyllia, 2935.
brevitylus Van D., Ceresa, 1574.
breviusculus Reut., Phytocoris, 954.
†*breviusculus Van D., Phytocoris,* 953.
brimleyi Kirk., Arctocorixa, 1460.
brittoni Osb., Thamnotettix, 2253.
bruesi Berg, Harmostes, 336.
brullei L. & S., Nabis, 828.
bruneri Barb., Pseudocnemodus, 569.
brunnea Banks, Barce, 714*a*.
brunnea Drke., Merragata, p. 819.
brunnea Prov., Psylla, 2943½.
brunnea Prov., Tragopa, 1602*a*.
brunneipennis Buckt., Telamona, 1644.
brunneo-bifasciatus Geof., Cicada, 1934.
bruneosa Wild, Tibicen, 1474.
brunneus Ball, Acinopterus, 2249*c*.
brunneus Osb., Eutettix, 2162.
brunneus (Prov.), Fulvius, 1091.
brunneus O. & B., Idiocerus, 1796.
brunneaus Van D., Orthotylus, 1179*a*.
brunneus Ball, Parabolocratus, 1958.
brunneus DeL., Phlepsius, 2246½.
brunneus Van D., Pissonotus, 2735.
brunneus Osb., Thamnotettix, 2275*b*.
brunneus Van D., Xestocephalus, 1945.
brunnicornis (H.S.), Mozena, 261.
bubalis Fabr., Centrotus, 1572, 1579.
†*bubalus Buckt., Ceresa,* 1580.
bubalus (Fabr.), Ceresa, 1572.
†*bubalus Fh., Ceresa,* 1571.
buenoi Kirk., Gerris, 1289.
buenoi Abb., Palmacorixa, 1462.
bulbosa O. & D., Corythucha, 649¾.
bullata (Say), Thionia, 2634.
bullatus (Say), Geocoris, 499.
bullatus Ball, Thamnotettix, 2300.
burmeisteri L. & S., Hebrus, 810.
burmeisteri Stål, Labops, 1118.
burmeisteri (Guer.), Ozophora, 573.
burmeisterii Fieb., Corixa, 1469.
burnetii Fh., Anotia, 2685.
buxi (Linn.), Psyllia, 2940½.

caelata Uhl., Corythucha, 642.
caerulea (Linn.), Zicrona, 235.
caesar Reut., Lomatopleura, 1143.
caffra Stål, Nabis, 828.
calamorum Fh., Diraphia, 2812.
calcarator (Fabr.), Archimerus, 270.
†*calcarator Stål, Archimerus,* 271.
†*calcaratus Uhl., Alydus,* 323.
†*calcaratus Uhl., Brachytropis,* 882.
calceata (Say), Thyanta, 160.
calidus Fabr., Lygaeus, 614.
californica Bak., Agallia, 1772.
californica Schw., Calophya, 2840.
californica Crawf., Ceropsylla, 2882.
californica Bak., Koebela, 1754.
californica Van D., Lamenia, 2674.
californica Dist., Okanagana, 1525.
californica Ball, Paropulopa, 1761.
californica Banks, Ploiariola, 699.
californicus Montd., Ambrysus, 1372.
californicus (Bak.), Bythoscopus, 1844.
californicus (Stål), Dicyphus, 1107.
californicus Crawf., Kormus, 2744.
californicus Walk., Lygaeus, 460.
californicus Stål, Nysius, 466.
californicus Van D., Oliarus, 2533.
californicus (Reut.), Xylocoris, 850.
californiensis (Godg.), Philya, 1746.
californiensis Bak., Ploiaria, 705.
caligineus (Stal), Cyrtocapsus, 1072.
caliginosus Walk., Aradus, 382.
caliginosus Dist., Trapezonotus, 591.
callidus Ball, Deltocephalus, 2061.
calliope (Walk.), Melampsalta, 1543.
calmariensis Fall., Pyrrhocoris, 626.
calthae (Linn.), Aphalara, 2815.
calva (Say), Arctocorixa, 1424.
†*calva Prov., Banasa,* 182.
calva (Say), Banasa, 184.
calva (Say), Micrutalis, 1605.
calvus Van D., Platycixius, 2543.
camelus (Fabr.), Smilia, 1664.
campestris Van D., Liburnia, 2773.
campestris (Fabr.), Lyctocoris, 840.
campestris Fall., Lygaeus, 1031.
campestris (Linn.), Lygus, 1036.
campestris Ball, Oecleus, 2558.

cana Burm., Gypona, 1898.
cana Osb., Gypona, 1899.
†*cana Uhl., Stenopoda,* 727.
canadensis Prov., Archasia, 1662.
canadensis Prov., Cicada, 1518.
canadensis Van D., Criocoris, 1224.
canadensis (Prov.), Lyctocoris, 841.
canadensis Kngt., Lygus, p. 822.
canadensis (Van D.), Macropsis, 1817.
canadensis Prov., Nabis, 818.
canadensis (Van D.), Neoborus, 1045.
canadensis (Prov.), Pseudocnemodus, 569.
canadensis Van D., Ulopa, 1764.
†*canaliculatus Prov., Gerris,* 1289.
canaliculatus Say, Gerris, 1290.
candelabrum Goeze, Cimex, 258.
candida Ball, Neocoelidia, 2344.
candidatus Van D., Orthotylus, 1178¼.
canescens Van D., Okanagana, 1519.
canescens Reut., Phytocoris, 926.
†*canicularis Prov., Cicada,* 1474.
canicularis (Harr.), Tibicen, 1479.
cantharinus Mull., Cimex, 1158.
canus Dist., Calocoris, 1122.
caperatus Ball, Deltocephalus, 2096.
capillaris Fabr., Cimex, 1071.
capitata Van D., Diaphnidia, 1168.
†*capitata Bueno, Rhagovelia,* 1304.
capitatus Uhl., Protacanthus, 424.
capitulatus Van D., Oecleus, 2560.
capra Melsh., Microcentrus, 1748.
†*capsiformis Uhl., Coriscus,* 824.
capsiformis Germ., Nabis, 828.
cara Van D., Catonia, 2521.
†*carbonaria Uhl., Microtoma,* 594.
carbonarius Fh., Phytocoris, 1138.
carbonata Uhl., Corythucha, 649¾.
cardinalis Uhl., Tropidosteptes, 1039.
cardui Curt., Acucephalus, 1933.
caricis (Fall.), Cyrtorhinus, p. 824.
caricis Crawf., Livia, 2813.
caricis Kirk., Teratocoris, 898.
caricis G. & B., Thamnotettix, 2304.
carinata Kby., Arctocorixa, 1439.
carinata (Champ.), Buenoa, 1361.
§*carinata Woodw., Dicraneura,* 2392.
carinata (Forst.), Entylia, 1716.
carinata Van D., Macrotomella, 2722.
carinata (Fabr.), Sirthenea, 750.
carinata Fabr., Syrtis, 689.
carinatus Van D., Eurygaster, 20.
carinatus McAtee, Geocoris, 505.
carinatus D. & S., Lopomorphus, 879.
carinatus Osb., Scaphoideus, 1992.
cariosa Stål, Brochymena, 88.
carneipes Mayr, Phymata, p. 229.
carneola (Stål), Dikraneura, 2392.
carnifex Fabr., Cimex, 149.
carnosulus Van D., Lygaeus, 448.
carolina H.S., Arhaphe, 623.
carolina H.S., Luteva, 708.
carolinae Reut., Lygus, 1022.
carolinensis (Westw.), Brochymena, 89.
carolinensis Stål, Narvesus, 731.
carolinensis Bueno, Pelocoris, 1368.
carolinus Lthr., Phlepsius, 2210½.
carolinus Lthr., Platymetopius, 2027¼.
carpini Fh., Psylla, 2931.
carpinicola (Crawf.), Psyllia, 2931.
caryae Kngt., Lygus, p. 822.
caryae (Fh.), Microcentrus, 1747.
cassinii (Fish.), Tibicina, 1510*a*.
casta Stål, Thyanta, 161.
castanea Barb., Esuris, 609.
castaneae (Fh.), Cyrtolobus, 1690.
castaneus A. & S., Cyrtomenus, 44.
castaneus (Davis), Tibicen, 1493½.
castoreus Ball, Deltocephalus, 2095.
castus McAt., Paracalocoris, p. 820.
catalina O. & B., Lonatura, 2107.
catalinus Ball, Scaphoideus, 2005.
catinus Dall., Rhaphigaster, 184.
catulum (Uhl.), Cimatlan, 1051.
catulus Van D., Orthotylus, 1175½.
caudata Crawf., Aphalara, 2823.
caudata (Crawf.), Psyllia, 2941.
caudata Van D., Rhynchopteryx, 2665.
caviceps Reut., Hyalochloria, 1168¼.
cavifrons Stål, Neottiglossa, 148.
ceanothae Crawf., Arytaina, 2910.
cedrelae Kief., Psylla, 2943¾.
cellulatus Brul., Corizus, 345.
celsus Van D., Cyrtolobus, 1667.
celtidis O. & D., Corythucha, 649¼.
celtidis-asteriscus Rly., Pachypsylla, 2887.
celtidis-curcurbita Rly., Pachypsylla, 2887.
celtidis-gemma Rly., Pachypsylla, 2890.
celtidis-globulus Rly., Pachypsylla, 2887.
celtidis-grandis Rly., Pachypsylla, 2886.
celtidis-mamma Rly., Pachypsylla, 2887.
celtidis-minuta Rly., Pachypsylla, p. 801.
celtidis-pubescens Rly., Pachypsylla, 2887.
celtidis-umbillicus Rly., Pachypsylla, 2887.
celtidis-vesiculum Crawf., Pachypsylla, 2889.
centriguttatus Bergr., Aradus, 371*a*.
cephalica (Crawf.), Psyllia, 2932.
cerachates (Uhl.), Camptobrochys, 1064.
cerasi (Ptch.), Psyllia, 2939.
ceres Kirk., Notonecta, 1359*a*.
cervicalis Stål, Zelus, 770.
chagnoni Stev., Lygus, 1014.

championi Dist., Ischnorrhynchus, 480.
championi Dist., Proarna, 1502.
characterea Germ., Cicada, 1501.
charon Kirk., Notonecta, 1352*d*.
chelifer Crawf., Arytaina, 2908.
chewkeanus Kirk., Raduviolus, 381.
chinensis Westw., Pentatoma, 178*a*.
chiragricus Ball., Thamnotettix, 2322.
chisos Davis, Cicada, 1501½.
chlamydatus (Prov.), Thamnotettix, 2292.
chlopterus H.S., Capsus, p. 824.
†*chlorionis Horv., Orthotylus,* 1172.
chlorionis (Say), Orthotylus, 1173.
chloris (Uhl.), Ilnacora, 1182.
chloris Mlch., Ormenis, 2658.
†*chloris Prov., Sthenarops,* 1046.
chloriza Uhl., Labopidea, 1194.
chlorogenes Dür, Psylla, 2913.
chloromera Walk., Thopha, 1473.
choctawana Kirk., Emesa, 709.
chrysanthemi Hahn, Lopus, 1207.
chrysocephalus Gmel., Cimex, 1071.
chrysomelas Walk., Oplomus, 212*b*.
chrysorrhoeus (Fabr.), Diolcus, 10.
cicindeloides Walk., Arhaphe, 624.
†*ciliata Prov., Corythuca,* 639.
ciliata (Say), Corythucha, 638.
ciliatus Fabr., Cimex, 258.
ciliatus Osb., Thamnotettix, 2306.
ciliatus (Uhl.), Thyreocoris, 32.
cimbricus Mull., Cimex, 1071.
cimicoides Swed., Macrocephalus, 691.
cincticornis Bergr., Aradus, 370.
cinctifera (Uhl.), Tibicen, 1497.
cinctifrons (Fh.), Catonia, 2508.
†*cinctipes* var. *Bergr., Pictinus,* 402.
cinctipes (Say), Podops, 74.
cinctiventris Stål, Rhiginia, 752.
cinctus Van D., Cyrtolobus, 1677.
cinctus (H.S.), Euryophthalmus, 615.
cinctus O. & B., Eutettix, 2180.
†*cinctus Van D., Largus,* 616.
cinctus (Fabr.), Pselliopus, 779.
cinctus (P.B.), Sehirus, 71.
cinerea O. & B., Agallia, 1771.
cinerea Uhl., Gypona, 1929.
†*cinerea Ferr., Nepa,* 1379.
cinerea (Say), Piesma, 636.
cinerea Lap., Stenopoda, 727.
cinerea A. & S., Therapha, 358.
cinereus (Fabr.), Atrachelus, 792.
cinereus (Ems.), Cyrtolobus, 1686.
§*cinereus O. & B., Deltocephalus,* 2086.
cinereus Oliv., Nabis, 829.
cinereus Van D., Phlepsius, 2232.
cinereus O. & B., Platymetopius, 2019.
cinerosus Van D., Deltocephalus, 2086.
cinerosus Osb., Scaphoideus, 1999.
cingulata Uhl., Ticida, 2497.
cingulatus Ball, Idiocerus, 1784*a*.
†*cinnamomea Uhl., Spartocera,* 278.
cinnamomeus Panz., Aradus, 391.
cinnamomeus Prov., Oliarus, 2541.
cinnamopterus (Krsch.), Pilophorus, 1129.
circellata (Bak.), Cicadella, 1856.
circumcincta Van D., Liburnia, 2776.
circumcinctus Montd., Ambrysus, 1371.
circumcinctus G. & B., Lygaeus, 454.
circumcinctus Stål, Perillus, 217.
circumcinctus (Say), Platytylellus, 911.
circumflexus Prov., Acucephalus, 1936.
circumlitus Stål, Lygaeus, 454.
cissi Harr., Membracis, 1646.
citri (Ashm.), Halticus, 1122.
citrina Spångb., Gypona, 1915.
citrinifrons G. & B., Thamnotettix, 2276.
†*citronellus Prov., Thamnotettix,* 2266.
cixiiformis (Uhl.), Myiomma, 1273.
clanda (Say), Perillus, 216*a*.
clandestina Van D., Opistheuria, 913.
clarior Walk., Proconia, 1846.
claripennis Crawf., Calophya, 2843*a*.
clarivida Van D., Eutettix, 2173.
clathrata Mlch., Dictyssa, 2605.
claudus Uhl., Perillus, 216.
clavata (DeL.), Erythroneura, 2447*d*.
clavata Guer., Heza, 795.
clavata Stål Melanorhopala, 667.
clavatus Dall., Aphanus, 557.
clavatus (Ball), Euscelis, 2141½.
clavatus (Linn.), Pilophorus, 1128.
clavicornis Stål, Oncozygia, 72.
†*claviculus Uhl., Cymus,* 485.
clavigenitalis Kngt., Lygus, p. 822.
claviger Gmel., Cimex, 736.
clavigera Uhl., Ptochiomera, 558.
clavipes Uhl., Pilophorus, p. 380.
cliens Stål, Macrocephalus, 693.
cliens (Stål), Stenomacra, 622.
†*clitellarius Prov., Bythoscopus,* 1801.
†*clitellarius Prov., Macropsis,* 1824.
clitellarius (Say), Thamnottetix, 2265.
clitoriae Heid., Leptostyla, 661.
†*clitoriae O. & D., Leptostyla,* 660.
clypealis Heid., Leptoglossus, 252.
clypeata Van D., Acanalonia, 2646.
clypeata G. & B., Empoasca, 2407.
clypeata Curt., Eupteryx, 2370.
clypeatus (Stål), Platycarenus, 77.
coagulata Say, Tettigonia, 1848.
coagulatus (Uhl.), Orthotylus, 1171.
coaretatus Heid., Aradus, 366.
coccinea (Fh.), Empoasca, 2406.
coccinea (Forst.), Graphocephala, 1864.
coccineus Walk., Capsus, 1144.
coccineus (Ems.), Horcias, 1000*a*.
cockerellii Gill., Dicraneura, 2388.
cockerelli Sulc., Paratrioza, 2852.

cockerelli (Fowl.), Scolops, 2473.
cockerelli Ball, Thamnotettix, 2262.
coerulescens Stål, Thyreocoris, 33.
cognatus Dall., Euschistus, 127.
cognatus (Van D.), Oncopsis, 1826.
coleoptrata (Linn.), Lepyronia, p. 513.
collaris Van D., Diplozona, 1055.
collaris Westw., Pentatoma, 157.
collaris Stål, Phorticus, 817.
†*collaris Uhl., Rhagovelia,* 1309.
collaris Ball, Thamnotettix, 2269.
collaris Crawf., Trioza, 2858.
†*collina Banks, Rhaptus,* 604.
collina Van D., Stictocephala, 1595.
collina (Walk.), Telamona, 1653.
collina Flor, Typhlocyba, 2426.
collinus Boh., Deltocephalus, 2077.
collitus Ball, Phlepsius, 2230.
coloepium Fh., Cixius, 2547.
colon (O. & B.), Euscelis, 2152.
colon Fh., Gypona, 1916.
colon (Say), Paracalocoris, 980.
colonus McAt., Paracalocoris, p. 820.
colonus (Uhl.), Thamnotettix, 2316.
coloradensis (Gill.), Erythroneura, 2445*j*.
coloradensis Crawf., Livia, 2809.
coloradensis (G. & B.), Mesamia, 1974.
coloradensis Drke., Monanthia, p. 819.
coloradensis Bak., Nysius, 471.
coloradensis (Bak.), Oncopsis, 1824*a*.
colorata Walk., Arma, 220.
colorata Van D., Elidiptera, 2498.
coloratus Kngt., Lygus, p. 821.
columba Fh., Gypona, p. 615.
columbianus Ball, Eutettix, 2185½.
columbiensis Kngt., Lygus, p. 821.
comatus (Ball), Thamnotettix, 2315.
combinata Ball, Dictyobia, 2621.
comes (Say), Erythroneura, 2445.
comma (Van D.), Euscelis, 2151.
commissuralis (Stål), Empoa, 2434.
commissuralis Reut., Xenoborus, 1046.
communis Uhl., Aethus, 50.
communis Crawf., Aphalara, 2822.
communis Gill., Dicraneura, 2386.
communis Fh., Helochara, 1863.
†*communis Walk., Helochara,* 1862.
communis Kngt., Lygus, 1020½.
commutatus Fieb., Lygus, 1017.
compacta Walk., Cicada, 1505.
compacta Ball, Telamona, 1638.
compactus (Uhl.), Aethus, 52.
compactus (Uhl.), Aphanus, 595.
compactus O. & B., Deltocephalus, 2059.
compactus Ball, Platymetopius, 2030¼.
compar McAt., Paracalocoris, p. 820.
complectus Ball, Oliarus, 2531.
complexa Caud., Sinea, 804.
compressa Buckt., Antianthe, 1664.
compressa Abb., Arctocorixa, p. 479.
compressa Fabr., Membracis, 1732.
compressicornis Sahlbg., Triphleps, 863.
compressus Heid., Aradus, 380.
compressus Ball, Orgerius, 2489.
compta Ball, Neococlidia, 2349.
compta Fowl., Tettigonia, 1858.
comptus Walk., Euschistus, 131.
†*concava Prov., Entylia,* 1717.
concava (Say), Publilia, 1719.
concava Fh., Telamona, 1648.
concavus (Dist.), Ozophora, 574.
concentricus Van D., Deltocephalus, 2105.
concinna Curt., Aphrodes, 1936.
concinna Reut., Europiella, 1254
concinna Westw., Pentatoma, 235.
concinna (Stål), Stobaera, 2750.
concinna Dall., Strachia, 174.
concinnula Fowl., Acanalonia, 2644.
concinnus Bergr., Aradus, 394.
concinnus Godg., Cyrtolobus, 1694.
concinnus S. & D., Deltocephalus, 2078½.
concinnus Stål, Dysdercus, 629.
concinnus Uhl., Hebrus, 812.
concinnus Ball, Idiocerus, 1783.
†*concisa Buckt., Entylia,* 1716*a*.
concisa Walk., Entylia, 1717.
concisus (Walk.), Pirates, 749.
concolor Reut., Deraeocoris, 1071*c*.
configuratus Uhl., Deltocephalus, 2051.
confluens LeC., Acanthia, 1324.
confluens (Uhl.), Cicadella, 1854*c*.
confluens Reut., Lopidea, 1147.
confluens (H.S.), Perillus, 214.
confluens Reut., Phytocoris, 951*a*.
confluenta (Say), Lopidea, 1147.
confluenta (Say), Saldula, 1324.
confluentus (Say), Coreocoris, 279.
conformata Mlch., Ormenis, 2655.
conformis (Uhl.), Aethus, 49.
conformis Uhl., Gerris, 1285.
conformis Mlch., Ormenis, 2650.
confraterna (Uhl.), Acanthocephala, 240.
confraternus Barb., Ligyrocoris, 542.
confraternus (Uhl.), Platytylellus, 902.
confusa Dall., Anisoscelis, 244.
confusa (G. & B.), Balclutha, 2372.
confusa Caud., Sinea, 802.
confusus (Krschb.), Acucephalus, 1936*f*.
†*confusus Thoms., Capsus,* 1129.
confusis Kngt., Lygus, p. 822.
confusus Sign., Pangaeus, 55.
†*confusus Uhl., Pilophorus,* 1130.
†*confusus Van D., Pilophorus,* 1131.
confusus Reut., Plagiognathus, 1231.
confusus Reut., Trigonotylus, 895.
congrex Uhl., Diommatus, 1176.
congrua Uhl., Chlorochroa, 107.

congruus Uhl., Homaloporus, 46.
conica (Say), Acanalonia, 2647.
conica (Walk.), Telamona, 1657.
conicus Van D., Ischnodemus, 494.
consanguineus Dist., Davila, 571.
consimilis Van D., Liburnia, 2767.
consobrina Wlsh., Empoasca, 2423.
consobrina Ball, Memnonia, 1938.
consobrina Dist., Okanagana, 1522*a*.
consocius (Uhl.), Camirus, 7.
consolidus Uhl., Hebrus, 813.
consonans Walk., Cicada, 1507.
consors Uhl., Homaemus, 15.
consors (Uhl.), Hoplomachidea, 1206.
consors Uhl., Maurodactylus, 1270.
consors Uhl., Scaphoideus, 1987.
conspersipes Reut., Phytocoris, 953.
conspersus Montd., Alydus, 324.
conspersus Uhl., Euschistus, 122.
conspersus Walk., Issus, 2634.
conspersus Walk., Lygaeus, 359.
conspicillaris (Dall.), Cosmopepla, 151.
conspicuus H.S., Aradus, 379.
constans (Walk.), Ceresa, 1577.
constricta Van D., Agallia, 1765.
constricta O. & D., Corythaica, p. 817.
constricta Champ., Leptostyla, 660.
constrictus Crawf., Megamelus, 2719.
constrictus (Say), Perigenes, 543.
†*constrictus Uhl., Plociomerus,* 540.
contaminata Uhl., Ormenis, 2660.
†*contaminatus Krschb., Capsus,* 1016.
contaminatus Uhl., Dendrocoris, 199.
†*contaminatus D. & S., Lygus,* 1017.
contaminatus (Fall.), Lygus, 1015.
†*contaminatus Prov., Lygus,* 1014.
conterminus Walk., Euschistus, 129.
contiguus Walk., Capsus, 985.
contiguus Walk., Pirates, 749.
continuus Ball, Idiocerus, 1779*b*.
contracta O. & D., Corythucha, 645¼.
contractus (Say), Ligyrocoris, 537.
contrarius Reut., Carthasis, 835.
contubernalis Bergr., Calisius, 397.
convexa (Fieb.), Arctocorixa, 1425.
convexicollis Reut., Lygus, 1030.
convivus Stål, Euryophthalmus, 616.
cookei Gill., Deltocephalus, 2106.
cooki Bak., Ortholomus, 461*a*.
cooleyi Drke, Acalypta, p. 814.
cooleyi (Van D.), Elasmostethus, 205.
†*coqueberti Prov., Amphiscepa,* 2689.
coquebertii Kby., Otiocerus, 2693.
coquilletti Barb., Heraeus, 529.
coquilletti Godg., Telamona, 1658.
coquilletti Van D., Thamnotettix, 2260.
coquilletti (Van D.), Uhleriella, 1962.
coracina Uhl., Nabidea, 875.
corculus (Say), Leptoglossus, 246.
cordatus Geoff., Cimex, 1158.
cordiger Goeze, Cimex, 1158.
cordigera Fieb., Notonecta, 1357.
cordigera P.B., Scutellera, 9.
coriacea Fabr., Acanthia, p. 825.
coriacea Uhl., Salda, 1321.
coriacipennis (Stål), Arphnus, 482.
§*cornata Barb., Thamnotettix,* 2315.
coronata Ball, Euttetix, 2175*a*.
coronata Ball, Koebelia, 1756.
coronata Stål, Sinea, 803.
coronatus O. & B., Xestocephalus, 1943.
cornuta Ball, Osbornia, 2629.
cornuta Guer., Pentatoma, 202.
cornuta Osb., Saldoida, 1347.
cornutum Mlch., Hysteropterum, 2597.
cornutus (Linn.), Centrotus, 1752.
cornutus Godg., Multareis, 1739.
corrugata (Van D.), Euptychodera, 25.
†*corticalis H.S., Aradus,* 379.
corticalis Hahn, Lyctocoris, 851.
corticea Germ., Aphrophora, 1554.
coryli O. & D., Corythucha, p. 816.
coryli (Ptch.), Psyllia, 2919.
coryli Fh., Telamona, 1647*a*.
costalis Fabr., Cercopis, 1847.
costalis H.S., Harmostes, 336.
costalis H.S., Lygaeus, 435.
costalis Van D., Perigenes, 545.
costalis Sahlb., Salda, 1335.
costalis Fabr., Tettigonia, 1510.
costata Van D., Catonia, 2520.
costata Panz., Cicada, 1933.
costata Pshly., Leptoypha, p. 817.
costatus Uhl., Agrammodes, 682.
costofasciata Drake, Leptostyla, 660.
costomaculatus (Van D.), Phlepsius, 2209.
coturnix Burm., Leptocoris, 358.
crassa Walk., Fidicina, 1498.
crassa Schout., Fokkeria, 21.
crassa Uhl., Hymenarcys, 142.
crassicornis Fabr., Acanthia, p. 823.
crassicornis (Linn.), Corizus, 345.
crassicornis Van D., Draeculacephala, 1878.
crassicornis (Uhl.), Lampracanthia, 1345.
crassicornis Fall., Tingis, p. 814.
crassicornis Muls., Triphleps, 863.
crassicornis (A. & S.), Umbonia, 1726.
crassimana Fabr., Oedancala, 516.
†*crassimana Stål, Oedancala,* 515.
†*crassimana Uhl., Oedancala,* 514.
crassinervis Fstr., Trioza, 2862.
crassipennis Turt., Cimex., p. 823.
crassipes (Fabr.), Apiomerus, 764.
crassipes Schr., Cimex, 829.
†*crassipes Uhl., Coriscus,* 820.
crassipes Reut., Nabis, 821.
crassipes Uhl., Pilophorus, p. 380.
crassus Walk., Cyrtomenus, 44.
crassus Van D., Drymus, 599.
crassus Dall., Euschistus, 132.

crataegi O. & D., Corythucha, 639¼.
crataegi (Fh.), Glossonotus, 1621.
crataegi Van D., Idiocerus, 1800.
crenulatus Fabr., Cimex, 258.
crenator (Fabr.), Euschistus, 129.
crenatus Germ., Jassus, 1793.
crenatus Say, Aradus, 379.
crepitans (Van D.), Cacama, 1500.
crevecoeuri (Gill.), Erythroneura, 2450.
cribratus Walk., Ptyelus, 1548.
cristata (Fairm.), Heliria, 1622.
cristatus (Linn.), Arilus, 796.
crocatus (Uhl.), Apateticus, 226.
crocea Van D., Kelisia, 2707.
crocea (O. & B.), Macropsis, 1812.
croceipes H.S., Capsus, 971.
croceipes (Uhl.), Strongylocoris, 1125.
croceus Goeze, Cimex, 1071.
†*cruciata Prov., Acanthosoma,* 206.
cruciata (Say), Rhiginia, 751.
cruciatus O. & B., Deltocephalus, 2068.
cruciatus (Say), Elasmostethus, 204.
cruciatus Van D., Orthotylus, 1179⅜.
cruciatus Osb., Scaphoideus, 1982.
crudelis Westw., Leptocorisa, 316.
crudus Van D., Dicyphus, 1108½.
cruentata Gill., Dicraneura, 2384.
cruentifera (Uhl.), Okanagana, 1511.
cruentus H.S., Alydus, 320.
cruentus Fabr., Cimex, 358.
crumbi DeL., Thamnotettix, 2302½.
†*cubae Uhl., Corixa,* 1417.
cubaensis (Mayr), Belostoma, 1400.
cubana Crawf., Dicranotropis, p. 827.
cubana Stål, Oedancala, 517.
cucullata Burm., Hemiptycha, 1666.
cucullata A. & S., Membracis, 1733.
cucullata Van D., Telamona, 1624.
culiciformis (Fabr.), Stenopoda, 727.
culicis Uhl., Hymenodectes, 684.
culicis Bueno, Stenopoda, 727.
culta Van D., Liburnia, 2765.
cultriformis (Davis), Tibicen, 1485½.
cultus Ball, Cixius, 2550.
cumulatus Ball, Phlepsius, 2204.
cunealis Reut., Camptobrochys, 1060*a*.
cunealis McAt., Paracalocoris, p. 820.
cunealis Van D., Phytocoris, 948.
cunealis Uhl., Plagiognathus, p. 412.
cuneata Van D., Lopidea, 1152.
cuneatus Dist., Neocapsus, 1006.
cuneatus Van D., Orthotylus, 1179⅛.
cuneatus (Dist.), Poeciloscytus, 992.
cuneotinctus (Van D.), Sthenarus, 1222.
cuprea Dall., Zicrona, 235.
cupreomicans Stål, Zaitha, 1395.
cupreosparsus (Uhl.), Tibicinoides, 1533.
cuprescens Osb., Platymetopius, 2017.
currax Garb., Cardiastethus, 840.
cursitans (Fall.), Xylocoris, 851.
curticollis Bergr., Aradus, 368.
curtipennis (G. & B.), Nephotettix, 2125.
curtipennis M. & R., Sciocoris, 79.
curtisii (Fh.), Euscelis, 2156.
curtulus Reut., Mesomiris, 889.
curtulus (Stål), Tollius, 328.
†*curvata Stål, Campylenchia,* 1734.
curviceps Stål, Nersia, 2465.
curvipes (Stål), Orthaea, 548.
cuspidatus Dist., Chariesterus, 284.
†*custator H.S., Pentatoma,* 160.
custator (Fabr.), Thyanta, 158.
†*custator Kirk., Thyanta,* 159.
cyanea Uhl., Corimelaena, 33.
cyaneonigra Walk., Corimelaena, 33.
cyaneus Uhl., Teleorhinus, 1098.
cydoniae Fh., Corythucha, p. 215.
cynicus (Say), Apateticus, 224.
cyperaceae Fh., Selenocephalus, 1955.
cypraceus Osb., Thamnotettix, 2320.
†*cyrtops Butl., Telamona,* 1635.
cyrtops Fairm., Thelia, 1646.
cythura (Bak.), Graphocephala, 1866.

dallasi (Dist.), Orthaea, 555.
daniae Turt., Cimex, 1071.
danicus Fabr., Deraeocoris, 1071*a*.
davisi (Barb.), Euryophthalmus, 618.
davisi Kngt., Largidea, 10893¼.
davisi Van D., Megamelus, 2721.
davisi (S. & G.), Tibicen, 1481.
dealbata (Davis), Tibicen, 1486.
debilis Uhl., Aradus, 373.
debilis Van D., Creontiades, 964.
†*debilis Osb., Deltocephalus,* 2079.
debilis Uhl., Deltocephalus, 2071.
debilis Uhl., Diaphnidia, 1165.
debilis Uhl., Megaloceroea, 886.
decens (Stål), Corythucha, 644.
decens Stål, Oecleus, 2553.
†*decens Van D., Oecleus,* 2554.
deceptus S. & D., 2136¾.
decipiens Prov., Thamnotettix, 2307.
decisa Walk., Entylia, 1717.
declivata Van D., Telamona, 1628.
declivis (Say), Acanthocephala, 237.
decolor (Uhl.), Arctocorixa, 1426.
decolor (Uhl.), Europiella, 1253.
decolor (Fall.), Lopus, 1207.
decora Reut., Ecertobia, 959.
decorata (Van D.), Aphelonema, 2595.
decorata Abb., Arctocorixa, 1426½.
decorata (Hahn), Cosmopepla, 153.
decorata Ball, Telamona, 1637.
decorata Walk., Umbonia, 1726.
decoratus (Uhl.), Carthasis, 835.
decoratus Uhl., Geocoris, 500*a*.
†*decoratus Thoms., Lygaeus,* 610.
decoratus (Perty), Pachycoris, 4*b*.
decorus O. & B., Phlepsius, 2201.
decorus Uhl., Protacanthus, 424.
decurvatus Uhl., Nrides, 419.
defecta Stål, Sinea, 809.

degeeri Kby., Otiocerus, 2689.
degeeri Fieb., Piezodorus, 191.
deleta Van D., Agallia, 1766.
deleticus Reut., Paracalocoris, 981.
delicata Uhl., Clastoptera, 1564.
delicata Fowl., Tettigonia, 1857.
delicata (Osb.), Tibicen, 1493.
delicatum Dist., Cimatlan, 1049.
delicatus Guer., Coreus, 308.
delicatus (Uhl.), Gerhardiella, 1230.
delicatus Van D., Myndus, 2567.
delicatus Uhl., Orthotylus, p. 396.
delicatus Van D., Pissonotus, 2631.
†*delicatus Prov., Psallus,* 1239.
delineatus Walk., Pachycoris, 12.
†*delirator A. & S., Prooxys,* 138.
delius (Say), Coenus, 139.
delta Ball, Chlorotettix, 2336½.
delta McAt., Paracalocoris, p. 820.
denigratus Gmel., Cimex, 829.
dentata (Gill.), Erythroneura, 2449.
dentatus H.S., Cimex, 140.
dentatus (O. & B.), Euscelis, 2149.
dentatus Bak., Phlepsius, 2245.
denticula Gill., Empoasca, 2403.
denticulata Stål, Acantholoma, 8.
denticulatus Westw., Arilus, 796.
denticulosa Stål, Sinea, 805.
denudatus Ball, Phlepsius, 2219.
denudatus (Uhl.), Thyreocoris, 30.
depictus Ball, Idiocerus, 1775*a*.
deplanata Uhl., Salda, 1323.
derivatus Walk., Rhaphigaster, 183.
deses Müll., Cimex, 879.
desiccatus Uhl., Macrotylus, p. 403.
desiccatus Uhl., Scolops, 2469.
destructor Riley, Nysius, 470.
destructor Hahn, Oriterus, 301.
detecta Van D., Liburnia, 2776.
detritus Walk., Ptyelus, 1551.
diadema (Fabr.), Sinea, 800.
diana (Fabr.), Stiretrus, 207*b*.
diaphanus (Kirsch.), Orthotylus, 1175.
diceros (Say), Ceresa, 1570.
dichrous (H.S.), Oplomus, 211.
diducta Fowl., Tettigonia, 1881.
didymus Zett., Lygaeus, 476.
didymus P.B., Pentatoma, 231.
diffidens Horv., Scolopostethus, 612.
diffusa Walk., Hemiptycha, 1651.
†*diffusa Uhl., Spartocera,* 277.
diffusus (Say), Corecoris, 278.
diffusus (Uhl.), Ligyrocoris, 538.
diffusus Uhl., Lygus, 1031.
diffusus Uhl., Poeciloscytus, 989.
dificilis Van D., Oliarus, 2538.
dilatatus (Say), Abedus, 1404.
dilatatus Duf., Aradus, 379.
dilatatus Reut., Pycnoderes, 1079.
dilatipennis Sign., Corizus, 343*d*.
dimiata Kirk., Banasa, 182.
†*dimidiata Prov., Banasa,* 184.
dimidiata (Say), Banasa, 182.
dimidiata Van D., Catonia, 2515.
dimidiata Curt., Cimex, 1332.
dimidiata Spin., Xylocoris, 840.
dimidiatus Fh., Blissus, 496.
dimidiatus H.S., Cimex, 157.
dimidiatus Stål, Rhaphigaster, 183.
diminuta Van D., Stictocephala, 1599.
diops McAt., Paracalocoris, p. 820.
diospyri Ashm., Trioza, 2857.
dioxys (Walk.), Dictyophora, 2465.
discalis Van D., Scoloposcelis, 873.
discoidalis (Emns.), Cyrtolobus, 1676.
discoidalis Reut., Hyaliodes, 1106*a*.
discoidalis Uhl., Orthotylus, p. 394.
discolor Uhl., Teratocoris, 896.
disconotus (Say), Crophius, 519.
discopterus Stål, Geocoris, 499*c*.
discors Costa, Lopus, 880.
discors Horv., Cymus, 485.
discrepans Uhl., Pangaeus, 56.
dislocatus (Say), Horcias, 1000.
dispar Fall., Delphax, 2766.
dispar Fabr., Lygaeus, 258.
dispersa (Uhl.), Arctocorixa, 1427.
dispersa (Uhl.), Saldula, 1327.
dissimilatus Ball., Thamnotettix, 2294.
distanti (Van D.), Clidophleps, 1536.
distanti Atk., Lygus, 1034.
distincta O. & D., Corythucha, 649$^{3}/_{16}$.
distincta Champ., Rhagovelia, 1310.
distinctum Duf., Belostoma, 1387.
distinctus G. & B., Idiocerus, 1799.
distinctus Kngt., Lygus, p. 821.
distinctus Dall., Merocoris, 236*a*.
distinctus (Van D.), Oncopsis, 1833.
distinctus Lthr., Phlepsius, 2200½.
distinguenda Heid., Leptopyha, p. 817.
distinguendus Garb., Calocoris, 986.
†*distinguendus Voll., Globiceps,* 1161.
distinguendus Flor, Lyctocoris, 840.
distinguendus Reut., Lygus, 1038.
divaricatus Spnr., Pissonotus, 2727.
divergens Reut., Poeciloscytus, 989.
diversipes Westw., Alydus, 317.
diversus Dist., Petissius, 593.
divisa (Uhl.), Cicadula, 2364.
divisa Reut., Ilnacora, 1181.
divisus H.S., Anisoscelis, 258.
divisus (H.S.), Platytylellus, 900.
dixianus Ball, Platymetopius, 2011*a*.
dohrnii (Sign.), Cicadella, 1857.
dolera Spnr., Liburnia, 2793.
dolobrata (Ball), Cicadella, 1854*a*.
dolobratus Fieb., Leptopterna, 880.
dolobratus (Linn.), Miris, 879.
dolosus Ball, Idiocerus, 1798.
domesticus Hahn, Cimex, 840.
domesticus Mouff., Cimex, 836.
domesticus Schül., Cimex, 840.
dorsalis Van D., Cixius, 2544.
dorsalis (Gill.), Erythroneura, 2447*a*.
dorsalis Spångb., Gypona, 1909.

dorsalis Crawf., Kuwayama, 2849.
dorsalis Van D., Macrotylus, 1201½.
dorsalis (Fh.), Micrutalis, 1604.
dorsalis Fieb., Notonecta, 1355.
†*dorsalis Berg, Oedancala,* 514.
dorsalis (Say), Oedancala, 515.
dorsalis (Prov.), Orthotylus, 1176.
dorsalis Van D., Pissonotus, 2733.
dorsalis Ball, Platymetopius, 2022.
dorsalis Burm., Polyglypta, 1715.
dorsalis (Fh.), Stenocranus, 2701.
dorsalis (Say), Stenodema, 884.
dorsalis Buckt., Telamona, 1620.
dorsata Fh., Bruchomorpha, 2585.
dorsata (Say), Tibicen, 1498.
dorsatus Dahl., Nabis, 827.
dorsiger Westw., Gonocerus, 295.
dorsilinea A. & S., Oedancala, 514.
†*dorsilinea Wirtn., Oedancala,* 515.
dorsivittatus Van D., Cixius, 2544.
dubia Abb., Arctocorixa, 1427½.
dubia Crawf., Calophya, 2842.
dubia Kshb., Delphax, 2766.
dubia Zett., Mecomma, 1187.
dubia Ptch., Pachypsylla, 2891.
dubia Fowl., Stictocephala, 1592*a*.
dubia Ptch., Trioza, 2870.
dubiosa Van D., Bolbonota, 1743.
dubiosa Van D., Telamona, 1634.
dubius Say, Gonocerus, 283.
dubius (Dall.), Peribalus, 97.
dubius Van D., Platymetopius, 2014*a*.
dubius Germ., Podops, 75.
dubius (P.B.), Podops, 73.
duryi Osb., Aradus, 360.
duryi O. & D., Melanorhopala, 669½.
duzeei Bergr., Aradus, 364.
duzeei Montd., Geocoris, 503.
duzeei Prov., Idiocerus, 1780.
dybowskyi Jak., Harpactor, 778.

eburatus Van D., Thamnotettix, 2266.
echinata Uhl., Acanthophysa, 426.
edentula Van D., Lamenia, 2676.
edentula Montd., Ranatra, 1383*a*.
edulis Champ., Arctocorixa, 1228.
ehrethiae Gibs., Monanthia, p. 819.
ehrhorni Ball, Telamona, 1639.
elatus Stål, Lygaeus, 439.
elegans (Fieb.), Buenoa, 1364.
elegans Uhl., Dichrooscytus, 997.
elegans Popen., Eccritotarsus, 1186.
elegans Van D., Platymetopius, 2013.
elegans Reut., Poeciloscytus, 993.
elegantula Zett., Cicada, 2380.
elegantulus Mey., Capsus, p. 824.
elegantulus Stål, Pamphantus, 577.
elisus Van D., Lygus, 1032.
ellae Godg., Telamona, p. 541.
elliptica McAt., Leptoypha, p. 817.
elliptica Germ., Thionia, 2632.
ellipticum Latr., Belostoma, 1397.
elongata (Uhl.), Saldula, 1339.
elongata Uhl., Teleonemia, p. 222.
elongatus Fieb., Anthocoris, 871.
elongatus (Osb.), Euscelis, 2148.
elongatus Barb., Jalysus, 422.
elongatus (Reut.), Lyctocoris, 842.
elongatus Ball, Megamelanus, 2712.
elongatus Uhl., Melanaethus, 63.
elongatus Hart, Nabis, 825.
elongatus Mey., Nabis, 828.
elongatus Osb., Neurocteuus, 410.
elongatus (Uhl.), Tiryus, 1136.
†*emarginata Emms., Entilia,* 1716.
emarginata Fabr., Membracis, 1718.
emarginata (Say), Mezira, 405.
emarginata Say, Pentatoma, 220.
emarginatus G. & B., Thamnotettix, 2317.
engelhardti (Davis), Tibicen, 1477*a*.
enotus Say, Lygaeus, 436.
enotatus Van D., Myndus, 2570.
ensiger Ball, Idiocerus, 1789.
erectus Ball., Orgerius, 2488.
eremicola (Uhl.), Platytylellus, 912.
†*ericae Flor, Cymus,* 468.
ericae (Schill.), Nysius, 470.
erichsonii (Fieb.), Arctocorixa, 1429.
eriodictyonae O. & D., Corythucha, p. 816.
†*erosa Wolff, Acanthia,* 689*b*.
†*erosa H.S., Halys,* 81.
†*erosa Guer., Phymata,* 689*a, d*.
erosa (Linn.), Phymata, 689.
errabunda (Say), Ploiariola, 697.
†*errabundus Prov., Cerascopus,* 713.
erratica (Osb.), Tibicen, 1491.
erythrocephala Garb., Dictyonota, p. 815.
erythrocephalus (G. & B.), Macropsis, 1814.
erythrophathalma Germ., Tingis, p. 815.
erythrozonias Gmel., Cimex, 742.
escalantus (Ball), Deltocephalus, 2090½.
escheri (Heer), Arctocorixa, 1430.
essigi Van D., Macrotylus, 1201¾.
estacadus (Ball), Euscelis, 2155.
†*euchlora Prov., Banasa,* 182.
euchlora Stål, Banasa, 188.
eugraphica (Davis), Tibicen, 1482½.
eupoda Hrtg., Psylla, 2862.
eurinus (Say), Alydus, 323.
†*eurinus Stål, Alydus,* 327.
euschistoides Voll., Euschistus, 121.
evansi Ashm., Deltocephalus, 2103.
exaptus (Say), Perillus, 218.
excavatus Dist., Cyrtomenus, 43.
excavatus Ball, Oecleus, 2557.
excellens Mayr, Theognis, 246.
excelsa (Fairm.), Telamona, 1655.
excludens Walk., Proconia, 1848.
excultus (Uhl.), Phlepsius, 2197.
exiguum Horv., Cymodema, 487.
exiguus Heid., Atheas, 677.
exilis (W. & M.), Aphalara, 2814.
exilis H.S., Pachycoris, 14.
eximius Dist., Heraeus, 530.

eximius Reut., Phytocoris, 934.
exitiosus (Uhl.), Euscelis, 2131.
expansa (Germ.), Antianthe, 1666.
explanata (Uhl.), Saldula, 1326.
explanata Heid., Stephanitis, 653.
expleta (Uhl.), Arctocorixa, 1431.
explicata Uhl., Collaria, 877.
exquisita Uhl., Acanthocheila, 664.
exquisitos Osb., Thamnotettix, 2269.
†*exsanguis Van D., Diplocodus*, 773.
exsanguis (Stål), Zelus, 771.
extensum Dist., Xenogenus, 342.
extensus (Uhl.), Thyreocoris, 36.
externus (H.S.), Paracalacoris, 979*a*.
extrema Ball, Telamona, 1652.
extremus Ball, Phlepsius, 2214.
extrusus (Van D.), Euscelis, 2134.

fabae (Harr.), Empoa, 2438.
†*fabricii H.S., Pachycoris*, 4*f*.
†*fabricii Tigny, Pentatoma*, 4.
fabricii Van D., Philaenus, 1560*g*.
fabricii Guer., Ranatra, 1386.
faceta (Say), Rhytidolomia, 105.
facetus Say, Lygaeus, 453.
facialis Walk., Aphrophora, 1546.
fagi Kngt., Lygus, p. 821.
fagi (Fh.), Oncopsis, 1832.
†*fagi Emns., Telamona*, 1623.
fagi Fh., Telamona, 1622.
†*falicus Prov., Ischnodemus*, 585.
falicus (Say), Ischnodemus, 489.
fallax Reut., Horcias, 1002.
fallax Say, Pamera, 592.
fallax Heid., Perigenes, 543.
falleni Stål, Aradus, 389.
falleni Van D., Philaenus, 1560*a*.
famelicus (Uhl.), Dicyphus, 1109.
†*famelicus Prov., Idolocoris*, 1116.
farinosa Walk., Poecilopterа, 2649.
fasciata Stål, Gargaphia, 654.
fasciata (Walk.), Kolla, 1859*a*.
fasciata (Gray), Phymata, 689*a*.
†*fasciata Van D., Phymata*, 689*b*.
fasciata A. & S., Smilia, 1665.
fasciata Fh., Telamona, 1651.
fasciaticollis (Stål), Thamnotettix, 2257.
fasciatum (Gmel.), Enchophyllum, 1733.
fasciatus Curt., Acucephalus, 1933.
fasciatus (Uhl.), Ceratocapsus, 1142.
fasciatus Walk., Euschistus, 157.
fasciatus Reut., Lygus, 1023.
fasciatus (Dall.), Oncopeltus, 432.
fasciatus (Fabr.), Philaenus, 1560*f*.
fasciatus Osb., Scaphoideus, 1979.
†*fasciatus Van D., Scaphoideus*, 1981.
fascicollis (Rey), Liburnia, 2766*b*.
fascicornis Walk., Aradus, 393.
fascifera (P.B.), Pentatoma, 157.
fascifrons (Stål), Cicadula, 2365.
fascipennis Ptch., Aphalara, 2826.
fastuosus Ball, Phlepsius, 2240.
felti Van D., Stenocranus, 2703.
femoralis Dist., Alydus, 321.
femoralis Van D., Creontiades, 963.
femoralis H.S., Cydnus, 58.
femoralis Fh., Livia, 2812.
femoralis Lucas, Phytocoris, 986.
femoralis Van D., Rhynocoris, 777*c*.
femorata (Fabr.), Acanthocephala, 238.
femorata Fairm., Ceresa, 1584.
femorata Guer., Corixa, 1420.
femorata Stål, Narnia, 253.
femoratus Van D., Argyrocoris, 1197½.
femoratus Fh., Blissus, 496.
femoratus Ball, Idiocerus, 1791.
†*femoratus Smith, Metapodius*, 242.
femoratus (P.B.), Pelocoris, 1366.
†*fenestrata Prov., Cyrtosia*, 1678.
fenestrata Ball., Dictyssa, 2608.
fenestratus Walk., Aradus, 386.
fenestratus Fh., Athysanus, 1828.
†*fenestratus Prov., Bythoscopus*, 1831.
fenestratus (Fh.), Cyrtolobus, 1672.
†*fenestratus Van D., Cyrtolobus*, 1667.
fenestratus Uhl., Glossocratus, 1952.
fenestratus Mlch., Naethus, 2616.
fenestratus Reut., Phytocoris, 932.
ferox (Banks), Castolus, 785.
ferox Van D., Orthotylus, 1169¾.
ferrugatus Fall., Miris, 880.
ferruginea Stål, Carpilis, 570.
ferrugineoides (Van D.), Macropsis, 1820.
ferrugineus (Linn.), Gastrodes, 605.
ferruginipennis (Godg.), Leioscyta, 1737.
ferruginosa (Godg.), Philya, 1745.
ferus (Say), Eremocoris, 600.
ferus (Linn.), Nabis, 829.
†*festina Prov., Stictocephala*, 1598.
festina (Say), Stictocephala, 1592.
festiva Van D., Hadronema, 1157.
fibulata (Crawf.), Psyllia, 2914.
fidus Van D., Oliarus, 2536.
fieberi Wall., Corisa, 1441.
fieberi (Löw), Dikraneura, 2393.
fieberi Now., Rhynocoris, 778.
figurata (Walk.), Tibicen, 1477½.
filicis (Linn.), Monalocoris, 1082.
filicornis (Walk.), Creontiades, 961.
filiformis Van D., Ganocapsus, 970.
†*filum Gray, Emesa*, 709.
fimbriatus Van D., Neopharnus, 193.
fimbriatus (Say), Stiretrus, 207*a*.
fiskei Heid., Aneurus, 417.
fissilis Uhl., Euschistus, 121.
fissus McAt., Paracalocoris, p. 820.
fitchi Van D., Amalopota, 2682.
fitchi (Mlch.), Fitchiella, 2581.
fitchi Van D., Idiocerus, 1802.
fitchi Kirk., Lamenia, 2672.
fitchii Reut., Lyctocoris, 840.
fitchi Van D., Oncopsis, 1828.
fitchii Van D., Thamnotettix, 2312.
flabellatus Ball, Phyllodinus, 2743.

flaccida Uhl., Agallia, 1764.
flaccidus (Van D.), Xylocoris, 848.
flammeus Geof., Cimex, 1071.
flava Ball, Clastoptera, 1566.
flava O. & B., Driotura, 2126*a*.
flava Godg., Ophiderma, 1704.
flava Crawf., Paratrioza, 2852.
flava (Crawf.), Psyllia, 2925*b*.
flava Crawf., Tetragonocephala, 2885.
flavescens (Fabr.), Empoasca, 2422.
flavescens Fabr., Fulgora, 2766.
flavescens Westw., Pachycoris, 9.
flavescens Prov., Pediopsis, 1831.
†*flavescens Van D., Pediopsis,* 1817.
flavicans (A. & S.), Repipta, 788.
flavicephala Godg., Ophiderma, 1703.
flaviceps Riley, Diedrocephala, 1881.
flaviclavus Barb., Ochterus, 1414.
flavicollis Fabr., Cimex, 1008*b*.
flavicollis (Drury), Loxa, 170.
†*flavicollis Van D., Loxa,* 171.
flavicollis P.B., Pentatoma, 178*b*.
flavicornis P.B., Pentatoma, 178*b*.
flavicornis Reut., Scoloposcelis, 872.
flavicosta Stål, Deltocephalus, 2065.
flavicosta Reut., Ioscytus, 1344*a*.
flavida Schw., Calophya, 2841.
flavidorsum A. & S., Zinneca, 1895.
flavidus Sign., Parabolocratus, 1957.
flaviguttula Godg., Ophiderma, 1702.
flavilineata Fh., Gypona, 1904.
†*flavilineata Spångb., Gypona,* 1898.
flavipennis Fstr., Aphalara, 2825.
flavipennis (Zett.), Dikraneura, 2387½.
flavipennis Germ., Smilia, 1605.
flavipes Prov., Capsus, 1008*a*.
†*flavipes Fieb., Salda,* 1320.
flaviventris H.S., Apiomerus, 766.
flaviviridis Barb., Chlorocoris, 168.
flavocapitatus Van D., Thamnotettix, 2280.
flavocephala Kpka., Alebra, 2380*a*.
flavocostatus Van D., Deltocephalus, 2065.
flavoguttatus Voll., Oplomus, 212*a*.
flavolimbatus Boh., Capsus, 918.
flavo-lineatus Sign., Acucephalus, 1935.
flavomaculatus (Fabr.), Globiceps, 1161.
†*flavomaculatus Prov., Globiceps,* 917.
flavomaculatus Van D., Lygus, 1031.
flavomarginata (G. & B.), Empoa, 2432.
flavomarginata Thom., Galgupha, 37.
flavomarginatus Kouch., Cimex, 106.
flavomarginatus Scholtz, Nabis, 827.
flavomarginatus G. & B., Thamnotettix, 2105.
flavo-marginellus Stål, Lygaeus, 452.
flavonotatus Prov., Capsus, 1031.
flavoscuta (Gill.), Typhlocyba, 2429.
flavosparsus (Sahlbg.), Orthotylus, 1172.
flavo-striatus Edwds., Acucephalus, 1935.
flavostrigatus (Donov.), Acucephalus, 1935.
flavotinctus DeL., Thamnotettix, 2302¼.
flavo-virens G. & B., Deltocephalus, 2088.
flavo-vittata Stål, Bruchomorpha, 2585.
flavus Sahlbg., Allorhinocoris, 965.
flavus (Bak.), Balclutha, 2373*a*.
flavus Walk., Bythoscopus, 1824.
flavus Crawf., Megamelus, 2717*a*.
flexulosus Ball, Deltocephalus, 2040.
floccosa (Ptch.), Psyllia, 2936.
floralis (Uhl.), Uhleriola, 596.
florens (Stål), Dictyophora, 2464.
flori Sahlb., Teratocoris, 898.
flori Crawf., Trioza, 2870.
florida Van D., Loxa, 171.
floridae (Walk.), Elidiptera, 2504.
floridana Heid., Corythucha, 646.
floridana Bak., Dorydiella, 2248.
floridana Ball, Dracculacephala, 1867.
floridana (Walk.), Lopidea, 1148.
floridanus (Linn.), Euthyrhynchus, 220.
floridanus Ball, Phlepsius, 2206.
floridensis Crawf., Psyllopa, 2909.
flumineum Say, Belostoma, 1393.
frontinalis Bueno, Microvelia, 1306½.
forcipata Fstr., Trioza, 2862.
†*forcipatus Fieb., Notus,* 2393.
forcipula Ptch., Trioza, 2869¼.
formicarius Dist., Galeottus, 317.
formicina (Uhl.), Enicocephalus, 683.
formosa Dist., Ptochiomera, 563.
formosus Ball, Idiocerus, 1794.
formosus Van D., Orthotylus, 1175¾.
formosus Blnch., Lygaeus, 439.
formosus Van D., Phytocoris, 946.
forreri Dist., Pseudopamera, 556.
forticornis Reut., Rhinacloa, 1272.
†*forticornis Wirtn., Rhinacloa,* 1249.
fossarum (Leach), Arctocorixa, 1432.
fovealis Crawf., Trioza, 2863.
foveata Spnr., Achrotile, 2805.
foveata Van D., Liburnia, 2779.
foveata Drke., Merragata, p. 819.
foveatus Spnr., Pissonotus, 2755.
francilloni Kby., Otiocerus, 2692.
franciscana (Stål), Sticocephala, 1597.
franciscanus (Bak.), Bythoscopus, 1841.
franciscanus (Stål), Ischnorrhynchus, 478.
franciscanus (Stål), Oliarus, 2531.
franciscanus Stål, Tenagogenus, 1293.
franconianus Ball, Phlepsius, 2211.
fratercula Davis, Okanagana, 1530.
†*fraterculus Prov., Harmostes,* 461.

fraterculus (Say), Harmostes, 339.
fraterna Westw., Anisoscelis, 244.
fraterna (Say), Barce, 715.
fraterna Spångb., Gypona, 1928.
fraterna Ball, Memnonia, 1939.
fraternus Ball, Deltocephalus, 2046.
fraternus Van D., Deraeocoris, 1071½.
fraternus Van D., Orthotylus, 1173¼.
fraternus Uhl., Peritrechus, 585.
fraternus Uhl., Pilophorus, p. 380.
fraternus Uhl., Plagiognathus, 1238.
fraxinicola (Fstr.), Psyllopsis, 2913.
frenatus Germ., Jassus, 2132.
fretus Olsen, Podisus, 227½.
frigida Walk., Enchenopa, 1734.
frigidus Boh., Deltocephalus, 2085.
frigidus Ball, Euscelis, 2130.
friscana Ball, Paropulopa, 1759.
friscanus Ball, Errhomenellus, 1890.
frontalis Crawf., Megamelanus, 2711.
frontalis (Crawf.), Pissonotus, 2734.
frontalis Van D., Platymetopius, 2023.
frontalis Crawf., Trioza, 2863.
‖*frontalis Crawf., Trioza,* 2869.
frontifer Walk., Capsus, p. 420.
frumentarius Poda, Cimex, 879.
fruticicola Bergr., Dendrocoris, 195.
†*fruticicola Uhl., Dendrocoris,* 196.
†*fruticum Flor, Triphleps,* 863.
fulgidus Van D., Camptobrochys, 1066.
fuliginosa (Oliv.), Poblicia, 2460.
fuliginosus Sign., Acucephalus, 1936*a*.
fuliginosus Gmel., Cimex, 1071.
fuliginosus (Emns.), Cyrtolobus, 1669.
fuliginosus G. & B., Geocoris, 502.
fulva Van D., Cenchrea, 2680.
fulva Ball, Driotura, 2126*b*.
fulveola (H.S.), Alebra, 2380*a*.
fulvescens Reut., Camptobrochys, 1069.
fulvicornis (Westw.), Leptoglossus, 249.
fulvida Crawf., Trioza, 2869.
fulvidorsum Ball, Oecleus, 2562.
fulvidorsum (Fh.), Phlepsius, 2237.
fulvipennis Reut., Anthocoris, 854.
†*fulvipes Schr., Cimex,* 1158.
fulvivenosus Fh., Blissus, 496.
fulvocapitatus Van D., Xestocephalus, 1941.
fulvomaculatus (DeG.), Calocoris, 986.
fulvula Osb., Cicada, 1477.
fulvus (DeG.), Hypselonotus, 310.
fulvus Osb., Myndus, 2574.
fulvus Osb., Platymetopius, 2021.
fumatus H.S., Jassus, 2358.
fumatus Reut., Phytocoris, 938.
fumida Gill., Alebra, 2382.
fumida (Gill.), Erythroneura, 2447*c*.
fumidus (Uhl.), Chlamydatus, 1264.
fumidus S. & D., Deltocephalus, 2062½.
fumidus Van D., Orthotylus, 1178¾.
fumidus Ball, Scaphoideus, 2001.
fumidus (Uhl.), Scolops, 2482.
fumipennis (G. & B.), Macropsis, 1815*a*.
funabulus Crmb., Deltocephalus, 2042.
funesta (Walk.), Odopoea, 1506.
funestus Bergr., Aradus, 383.
furcata (Prov.), Liburnia, 2774.
furcatus H.S., Capsus, p. 419.
furcatus Osb., Paramesus, 1975.
furculatus Osb., Thamnotettix, 2267.
fusca Van D., Catonia, 2517.
fusca DeG., Cicada, 1752.
fusca Mlch., Dictyssa, 2603.
fusca Stein, Pagasa, 816.
fusca Bult., Polyglypta, 1715.
†*fusca Kirk., Ranatra,* 1382.
fusca P.B., Ranatra, 1381.
†*fusca Prov., Ranatra,* 1383*a*.
†*fusca Uhl., Ranatra,* 1385.
fuscata Pshly., Hesperotingis, p. 818.
fuscata Van D., Microledrida, 2551.
fuscescens (Dall.), Podisus, 232.
fuscescens Stål, Telepta, 232.
fuscicornis Uhl., Lopidea, p. 385.
fuscicornis Stål, Ptochiomera, 559.
fuscifrons Van D., Platymetopius, 2031.
fuscigera (Stål), Corythucha, 643.
fuscinervis Fstr., Psylla, 2940.
fuscinervosus Van D., Deltocephalus, 2098.
fuscipennis Crawf., Arytaina, 2903
fuscipennis Van D., Cyrtolobus, 1687
fuscipennis Spng., Jassus, 2340.
fuscipennis Van D., Phlepsius, 2226.
fuscipennis Stål, Pygolampis, 724.
fuscipes Guer., Mononyx, 1410.
fusciventris (Duf.), Belostoma, 1399.
fusco-annulatus Stål, Aradus, 363.
fusco-fasciatus (Goeze), Acucephalus, 1934.
fuscolineella Fowl., Tettigonia, 1859*a*.
fuscomaculatus Stål, Aradus, 363.
fusco-maculatus Goeze, Cimex, 1017.
fuscorubra Strobl, Lygus, 1031.
fuscosignatus Dahlb., Deltocephalus, 2073.
†*fuscosus Prov., Plagiognathus,* 1239.
fuscosus (Prov.), Plagiognathus, 1235.
fusco-testacea Reut., Phimodera, 23*a*.
fuscous Osb., Phyllodinus, 2742.
fusco-vittata Barb., Saica, 718.
fusculus Reut., Lasiochilus, 845.
fuscus (Thunb.), Corecoris, 277.
fuscus Van D., Flatoides, 2670.
fusiformis Van D., Elidiptera, 2506.
fusiformis (Say), Garganus, 971.

gagates Ashm., Conogonus, 2139.
galactinus (Fieb.), Xylocoris, 846.

galbanatus Van D., Chlorotettix, 2331.
galeaformis (Ptch.), Psyllia, 2942.
galeata (Fabr.), Archasia, 1661.
galeator (Fabr.), Euthochtha, 276.
gamma Fabr., Cimex, 111.
gammaroides (Van D.), Driotura, 2126.
garryae Ckl., Oncometopia, 1846*a*.
geala Kirk., Notonecta, 1357*b*.
gebleri Kol., Aradus, 386.
geblerii (Fieb.), Callicorixa, 1418.
gelastops Kirk., Hesperolabops, 1086.
gelidus Walk., Ptyelus, 1551.
gemellatus H.S., Lygus, 1031.
gemellus Ball, Thamnotettix, 2297.
geminata Osb., Gypona, 1913.
†*geminatus Bueno, Ischnorrhynchus,* 476.
geminatus (Say), Ischnorrhynchus, 477.
geminatus Van D., Thamnotettix, 2256.
geminus (Say), Neoborus, 1042.
gemmisimulans L. & C., Idiocerus, 1793.
generosus Ball, Thamnotettix, 2298.
geneseensis Kngt., Lygus, p. 822.
geniculata Stål, Prooxys, 138.
geniculatus Reut., Engytatus, 1112.
geniculatus Turt., Cimex, 1071.
geniculatus (Stål), Oncocephalus, 728.
geniculatus Burm., Spartocerus, 277.
genistae (Latr.), Arytaina, 2904.
†*genistae Schr., Cimex,* 986.
geometrica (Sign.), Kolla, 1860.
georgiae Prov., Darbanus, 771.
†*geographica Guer., Mormidea,* 116.
germari Curt., Amblycephalus, 1884.
germari Fieb., Idiocerus, 1793.
germarii (Fieb.), Arctocorixa, 1433.
gerstaeckeri (Stål), Triatoma, 741.
gerulus Ball, Thamnotettix, 2299.
gibbera (Stål), Tylopelta, 1740.
gibbosa Retz., Entylia, 1716.
gibbosa Ball, Lepyronia, 1557.
gigas (Oliv.), Queseda, 1507.
gigas Fabr., Reduvius, 742.
gigas (Burm.), Thasus, 260.
gillettei O. & B., Agallia, 1769.
gillettii Van D., Corimelaena, 34.
gillettei Ball, Draeculacephala, 1880.
gillettei Van D., Empoa, p. 826.
gillettei L. & S., Gerris, 1287.
gillettei Van D., Liburnia, 2795.
gillettii Abb., Palmacorixa, 1461.
gillettei Uhl., Podisus, 223.
gillettei Godg., Stictocephala, 1594.
gillettii Van D., Thamnotettix, 2275*a*.
gilvipes (Stål), Mecomma, 1188.
gladiator Fabr., Cimex, 192.
gladiolus Ball, Thamnotettix, 2311.
glauca Van D., Clastoptera, 1565*a*.
gleditschiae O. & B., Macropsis, 1807.
glomerosus Ball, Thamnotettix, 2301.
gloriosus Ball, Thamnotettix, 2291.
gloveri Godg., Cyrtolobus, p. 548.
gnarus Ball, Deltocephalus, 2102.
godingi (Van D.), Glossonotus, 1620.
gonagra (Fabr.), Leptoglossus, 250.
goniphora Say, Membracis, 1587.
goniphorus (Say), Horcias, 1000*b*.
gordita Abb., Corixa, 1463.
gossypii (Fabr.), Corythucha, 647.
gothica (Sign.), Cicadella, 1855.
gothicus Scop., Cimex, 1071.
gracilicornis Stål, Aradus, 390.
gracilis (Uhl.), Alepidia, 1133.
gracilis H.S., Corizus, 343.
gracilis Handl., Macrocephalus, 694.
gracilis (Van D.), Megaloceroea, 888.
gracilis Uhl., Mimoceps, 917.
gracilis Scott, Nysius, 470.
gracilipes Stål, Neides, 419.
gracilipes Jak., Salda, 1336.
graeculus Ball, Thamnotettix, 2264.
grallator Hrbst, Cimex, 250.
graminea (Fabr.), Macropsis, 1808*a*.
†*grammica Wolff, Tetyra,* 16.
grammicus Ball, Deltocephalus, 2050.
†*grande Dmk., Belostoma,* 1388.
grandiceps Crawf., Katacephala, 2894.
grandis (Dall.), Alcaeorrhynchus, 210.
grandis Dall., Arma, 224.
grandis (Ball), Bythoscopus, 1845.
grandis Uhl., Camptobrochys, 1070.
grandis Van D., Cyrtolobus, 1674.
grandis Bak., Nysius, 471*a*.
grandis Reut., Plagiognathus, 1236.
granulata (Say), Mezira, 507.
granulosa (Dall.), Acanthocephala, 239.
granulosa Uhl., Pentatoma, 109.
granulosum Fowl., Goniolcium, 2750.
granulosus Barb., Scolopocerus, 293.
graphicus Ball, Phlepsius, 2203.
gravidator Fabr., Coreus, 335.
grayi Van D., Sephina, 281.
gregarius Goeze, Cimex, 626.
griphus Uhl., Dictyonissus, 2613.
grisea Heid., Acalypta, p. 813.
grisea Van D., Catonia, 2511.
†*grisea Van D., Dascalia,* 2667.
grisea Spångb., Gypona, 1927.
grisea Reut., Hyoidea, 1193.
grisea Dall., Pentatoma, 102.
grisea Buckt., Publilia, 1719.
grisea Bueno, Ranatra, p. 463.
grisea Germ., Xerophloea, 1930.
griseolus Reut., Myochroocoris, 1250.
grisescens Stål, Mormidea, 114.
†*griseum Stål, Belostoma,* 1388.
griseus (Say), Benacus, 1387.
griseus (Fieb.), Corizus, 345*c*.
griseus Van D., Cyrtolobus, 1685.
†*griseus Bueno, Emblethis,* 597.
griseus Dall., Ophthalmicus, 499.

†*groenlandicus Prov., Nysius,* 468.
groenlandicus (Zett.), Nysius, 469.
†*grossa Stål, Cicada,* 1507.
grossa Ball, Koebelia, 1757.
grossa Van D., Largidea, 1089½.
grossa Fabr., Tettigonia, 1484.
grossipes DeG., Cimex, 605.
grossocerata O. & D., Alveotingis, 670½.
grossum (Uhl.), Cimatlan, 1054.
grossus Mlch., Naethus, 2614.
grossus Uhl., Scolops, 2481.
†*grylloides Goeze, Cimex,* p. 825.
guatemalanus Dist., Cymus, 488.
guerini L. & S., Mormidea, 116.
guerini L. & S., Phymata, 689*d*.
†*guildani H.S., Rhaphigaster,* 190.
guildingi Uhl., Piezodorus, 190.
guildinii (Westw.), Piezodorus, 190.
gundlachii (Guer.), Sephina, 280.
†*gutta Glover, Lygaeus,* 433.
gutta (H.S.), Oncopeltus, 427.
gutta Dall., Rhyparochromus, 547.
†*guttata Uhl., Aulacizes,* 1852.
guttata Fh., Smilia, 1664*a*.
guttatipennis Stål, Ambrysus, 1377.
guttatipes Uhl., Lygus, 1025.
guttatum (H.S.), Chelysoma, 5.
guttatus (Walk.), Homalocoris, 758.
guttatus Uhl., Macrotylus, p. 403.
guttatus Spnr., Pissonotus, 2732.
guttifera Walk., Aconophora, 1728.
guttiger Stål, Thyreocoris, 41.
guttula (Fabr.), Catorhintha, 295.
guttulatus Uhl., Oncotylus, 1210.
guttulatus (Uhl.), Paraxenetus, 919.
guttulosus Uhl., Lygus, 1038.
guttulosus Reut., Psallus, 1215.
gutturosus (Ball), Allygus, 2250.
gypsatus Bergr., Proxius, 399.

hades Kirk., Notonecta, 1359*b*.
haedula Stål, Brochymena, 82.
haematocephalus Gmel., Cimex, 1071.
haematoloma (H.S.), Jadera, 357.
haematostictos Gmel., Cimex, 1071.
haldemanus Leidy, Belostoma, 1387.
halys Dall., Apateticus, 222.
hamata (Van D.), Paraproba, 1164.
hamatus (Fabr.), Rasahus, 749.
harpax Stål, Belostoma, 1387.
harrimani Ashm., Deltocephalus, 2104.
harrisi Fh., Deltocephalus, 2065.
harrisii (Uhl.), Arctocorixa, 1434.
harrisii Uhl., Brochymena, 89.
†*harrisii Van D., Brochymena,* 90.
harrisii Westw., Pentatoma, 118.
hartigi (Flor), Psyllia, 2923.
hartii (Gill.), Erythroneura, 2443.
hartii (Ball), Kolla, 1861.
hawleyi Kngt., Paracalocoris, 984¼.
hebetatus Dist., Chlorocoris, 169.
hebraica P.B., Scutellera, 9.
heidemanni Montd., Ambrysus, 1375.
heidemanni Bergr., Aradus, 396.
heidemanni Van D., Brepholoxa, 201.
heidemanni Ball, Cenchrea, 2679.
heidemanni Van D., Crophius, 521.
heidemanni Reut., Fulvius, 1092.
heidemanni Reut., Hesperophylum, 874.
heidemanni Reut., Nabis, 822.
heidemanni O. & D., Leptostyla, 661.
heidemanni Reut., Paracalocoris, 982.
heidemanni Reut., Phytocoris, 935.
heidemanni Ball, Thamnotettix, 2261.
helena Woodr., Cyrtolobus, 1691.
helopioides Wolff, Tetyra, 27.
helvetina Mey., Trioza, 2869.
hemichloris Germ., Cimex, 178.
hemiptera (Germ.), Liburnia, 2783.
henshawi Ashm., Cantacader, 667.
henshawi Van D., Elidiptera, 2501.
heraldicus Schr., Cimex, 829.
herbacea Uhl., Tuponia, p. 415.
herbaticus Uhl., Teratocoris, 897.
†*herbida Sign., Tettigonia,* 1862.
herbida Walk., Tettigonia, 1863.
herrichi (Reut.), Macrotylus, 1203.
hesione Kirk., Tenagogonus, 1294.
hesperia Uhl., Dacota, 1084.
hesperia Kirk., Lomatopleura, 1144.
hesperius Reut., Atractotomus, 1247.
hesperius Uhl., Labops, 1117.
hesperius Kngt., Lygus, p. 821.
hesperius Uhl., Metrobates, 1295.
hesperius Uhl., Scolops, 2480.
hesperius (Uhl.), Tibicinoides, 1534.
heterogeneus A. & S., Atrachelus, 792.
heydeni Fstr., Psylla, 2940.
hieroglyphica Say, Cicada, 1501.
hieroglyphica (Say), Cicadella, 1854.
hieroglyphica Duf., Corixa, 1441.
†*hieroglyphica Harr., Tettigonia,* 1855.
hilaris (Say), Acrosternum, 181.
hirsuta Davis, Okanagana, 1517.
hirsutula Flor, Salda, 1336.
hirsutulus Walk., Capsus, 920.
hirta Van D., Bolteria, 1246*a*.
hirta (Say), Pentacora, 1317.
hirticornis Banks, Ploiariopsis, 706.
hirticulus Van D., Lygus, 1019.
hirtipes Banks, Ploiariola, 700.
hirtum Reut., Semium, 1186.
hirtus Montd., Blissus, 497.
hirtus Curt., Capsus, 1189.
hirtus Bueno, Corizus, 355.
†*hirundinis G. & B., Acanthia,* 838.
hispida Uhl., Corythucha, 648.
hispida Van D., Parantonaë, 1608.
hispidus Thunb., Cimex, 800.
histeroides Say, Thyreocoris, 28.
histrio Reut., Camptobrochys, 1063.
histrionica (Stål), Aphelonema, 2591.
histrionica (Hahn), Murgantia, 172.
histrionicus (Linn.), Cyllecoris, 1158.
hoodiana O. & D., Corythucha, p. 816.
hopkinsi Heid., Neuroctenus, 411.
hordeacea Butl., Polyglypta, 1715.

hornii Uhl., Macrovelia, 1308.
hortuorum Tign., Cimex, 1014.
horvathi Schout., Weda, 76.
howardi Montd., Curicta, 1380.
howardi Montd., Geocoris, 502*a*.
†*howardi Van D., Geocoris,* 500*a*.
howardii Bueno, Notonecta, 1353.
hubbardi Heid., Aradus, 369.
hullensis Prov., Gypona, 1917.
humeralis (Uhl.), Dendrocoris, 194.
humeralis Kngt., Lygus, p. 821.
humidus (Osb.), Euscelis, 2143.
humidus Van D., Phlepsius, 2246.
humilis (Stal.), Bythoscopus, 1842.
humilis (Uhl.), Coriomeris, 333.
humilis Walk., Hoplophora, 1728.
humilis Van D., Liburnia, 2761.
humilis (Say), Micracanthia, 1342.
humilis (Say), Oliarus, 2540.
hyalina H. S., Tingis, 638.
hyalinus (Fabr.), Corizus, 343.
†*hyalinus Uhl., Corizus,* 344.
hyalinus Van D., Oliarus, 2537.
hyalinus Osb., Platymetopius, 2008.
hyalinus (Fabr.), Tenagogonus, 1292.
hydatotrephes Kirk., Arctocorixa, 1435.
hypoleuca Thmsn., Trioza, 2864.

†*ictericus H.S., Cimex,* 126.
ictericus (Linn.), Euschistus, 127.
ichthyocephala Sign., Tettigonia, 1848.
idioceroides (Bak.), Stranganiopsis, 1834.
idonea Fowl., Tettigonia, 1864.
ignipecta Fh., Monecphora, 1545*a*.
ignotus (Bak.), Euscelis, p. 661.
†*ilicis Crawf., Arytaina,* 2909.
ilicis Ashm., Paurocephala, 2837.
illinoiensis Godg., Ceresa, 1577.
illinoiensis (Gill.), Erythroneura, 2446.
illinoiensis (Godg.), Micrutalis, 1605*a*.
illumina Ball, Mesamia, 1977.
†*illuminatus G. & B., Rhyparochromus,* 594.
illustris A. & S., Zicrona, 235.
imbecilis (Say), Fulvius), 1092.
imbuta (Walk.), Banasa, 189.
immaculata (Kirk.), Acanalonia, 2641.
immaculata Lthr., Agallia, 1766½.
immaculata O. & D., Corythucha, 649 1/16.
immaculata Crawf., Neotriozella, 2878.
immaculatum Say, Belostoma, 1393*a*.
immaculatus Crawf., Euphalerus, 2899*a*.
immaculatus Ball, Paramesus, 1974.
immarginatus Fh., Blissus, 496.
immistus (Say), Scaphoideus, 1996.
immundus Bergr., Apiomerus, 762.
impedita Walk., Entylia, 1716.
imperialis (Dist.), Isthmocoris, 509.
imperialis Van D., Tropidosteptes, 1040.
impicta (Van D.), Balclutha, 2373.
impictiventris Stål, Euschistus, 120.
impiger Ball, Myndus, 2568.
impressa Fieb., Notonecta, 1357*a*.
impressicollis Stål, Aufeius, 341.
impressus Hald., Belostoma, 1387.
impressus Van D., Crophius, 524.
impudens Stål, Margus, 290.
impunctata (Fh.), Catonia, 2514.
†*impunctatus Van D., Myndus,* 2566.
imputans O. & B., Deltocephalus, 2034.
inaequalis Uhl., Nysius, 467.
incana Fieb., Stethotropis, 588.
incarnata Germ., Pentatoma, 191.
incerta G. & B., Eutettix, 2161.
incerta Van D., Liburnia, 2785.
incertus (Say), Menecles, 155.
incisa Gill., Empoasca, 2405.
incisus Stål, Macrocephalus, 693.
incisus Van D., Phlepsius, 2223.
incisus (Walk.), Platytylellus, 912.
incisus Osb., Scaphoideus, 1996*c*.
incongrua (Bak.), Aconura, 2119.
inconspecta Westw., Pentatoma, 125.
inconspicuua Bak., Agallia, 1771.
inconspicuus (Uhl.), Criomorphus, 2806.
inconspicuus Kngt., Lygus, p. 822.
inconspicuus (H.S.), Margus, 289.
inconspicuus (Uhl.), Orthotylus, 1180.
†*inconspicuus Van D., Orthotylus,* 1173¼.
inconstans Uhl., Aneurus, 414.
incubitor (Fabr.), Capaneus, 269.
†*incurva Van D., Corythuca,* 640.
incurvata Uhl., Corythucha, 641.
incurvus (Dist.), Pycnoderes, 1081.
indecisa Walk., Entylia, 1716.
indecisus Walk., Pirates, 749.
indecorus Walk., Archimerus, 272.
indentatus (Hald.), Abedus, 1406.
indentatus (Uhl.), Aethus, 51.
indentatus Hambl., Corizus, 352.
indica Linn., Notonecta, 1355.
indistincta (Crawf.), Liburnia, 2791.
inermis Crawf., Aphalaroida, 2835.
inermis (Emns.), Cyrtolobus, 1684.
inermis (Champ.), Pselliopus, 783.
inermis (Fabr.), Stictocephala, 1587.
infirma Stål, Pnirontis, 720.
inflata (Uhl.), Dacerla, 1095.
inflata Schum., Stiretrus, 207.
inflatus Van D., Cnemodus, 567.
inflatus Van D., Cyrtolobus, 1697.
inflatus O. & B., Deltocephalus, 2039.
inflatus Van D., Euschistus, 123.
infumatus Osb., Deltocephalus, 2058.
infuscata (Gill.), Erythroneura, 2445*e*.

infuscata Reut., Lygidea, 1010*a*.
infuscata Pshly., Melanorhopala, p. 818.
infuscata Stål, Ormenis, 2651.
infuscatus Garb., Globiceps, 1189.
infuscatus Van D., Macrotylus, 1203½.
infuscatus Reut., Phytocoris, 949.
infuscatus G. & B., Thamnotettix, 2292.
ingens Van D., Deraeocoris, 1071¼.
inimicus (Say), Deltocephalus, 2063.
innotata Walk., Tettigonia, 1874.
inobtrusa Walk., Discocephala, 77.
indorus (Duges), Haematosiphon, 839.
inops Horv., Lygus, 1024*a*.
inops, Uhl., Phytocoris, 933.
inornata Ball, Acutalis, 1603.
inornata Dist., Narnia, 254.
†*inornata Prov., Ophiderma,* 1704.
inornatus (Bak.), Acinopterus, 2249*a*.
inornatus Uhl., Aradus, 378.
inornatus (Say), Cyrtolobus, 1693.
inornatus Pack., Jassus, 2228.
†*inornatus Uhl., Margus,* 290.
inornatus Van D., Thamnotettix, 2318.
inquilinus Van D., Eremocoris, 601.
insanus Ball, Eutettix, 2175.
inscripta (Van D.), Aligia, 1966.
inscripta (Uhl.), Arctocorixa, 1436.
inscripta Van D., Draeculacephala, 1876.
†*inscriptus Van D., Coriscus,* 830.
inscriptus Uhl., Idiocerus, 1796.
inscriptus Kby., Nabis, 832.
insidiosus (Say), Triphleps, 864.
insignis Heid., Atheas, 676.
insignis Uhl., Coquillettia, 1103.
insignis Uhl., Mimoceps, 916.
insignis Van D., Orthotylus, 1169¼.
insignis Van D., Pediopsis, 1821.
insignis (Say), Platytylellus, 909.
insignis Fstr., Psylla, 2923½.
insignis Reut., Sixeonotus, 1074.
insignis (Uhl.), Sphaerobius, 531.
insitivus (Say), Platytylellus, 899.
insoleta (Walk.), Homalodisca, 1850.
insoletus Van D., Aradus, 391½.
instabile Reut., Lomatopleura, 1145.
instabilis (Uhl.), Acanthocephala, 241.
instabilis (Van D.), Euscelis, 2146.
instabilis Uhl., Miris, 883.
instabilis Uhl., Paracalocoris, p. 327.
†*insularis Dall., Aethus,* 60.
insulata Kby., Notonecta, 1357.
integer Stål, Euschistus, 135.
†*integra Uhl., Sinea,* 802.
intercidendus (Dist.), Platytylellus, 905.
intergressus Uhl., Eysarcoris, 154.
interjungens Bergr., Doldina, 794.
intermedia Bak., Corizus, 345*g*.
intermedia Uhl., Dyctidea, 2624.
intermedia Walk., Physoplia, 1726.
intermedia Van D., Platypedia, 1539.
intermedius (Emns.), Cyrtolobus, 1683.
intermedius Uhl., Halticus, 1120.
intermedius Uhl., Poeciloscytus, 990.
interneris Mlly., Pachypsylla, 2893.
interrupta (Say), Arctocorixa, 1437.
interrupta Ball, Paropulopa, 1758.
interruptus Scott, Acucephalus, 1936.
interruptus DeL., Deltocephalus, 2055½.
interruptus (Linn.), Evacanthus, 1885.
interruptus G. & B., Idiocerus, 1781.
interruptus H.S., Largus, 614.
intersectus Uhl., Lygus, p. 348.
interspersus Uhl., Phytocoris, 925.
interstincta Fall., Cicada, 1884.
interstitialis (Say), Saldula, 1328.
intricata D. & S., Corisa, 1433.
intricatus Uhl., Scaphoideus, 1994.
intricatus Ball, Thamnotettix, 2273.
inustus Dist., Calocoris?, 1185.
invitus (Say), Lygus, 1020.
iridescens DeL., Chlorotettix, 2339½.
iridescens Champ., Gargaphia, 655.
irrorata Ball., Aphrophora, 1549.
irrorata (Fabr.), Aulacizes, 1851.
irrorata Van D., Catonia, 25.
irrorata Rly., Corythucha, 645.
irrorata Ball, Koebelia, 1755.
irrorata Uhl., Notonecta, 1349.
irrorata (Say), Reuteria, 1169.
irrorata Fh., Telamona, 1651*a*.
irrorata Godg., Telamona, 1634.
irroratus H.S., Cimex, 136.
irroratus Swz., Copicerus, 2700.
irroratus Van D., Dichrooscytus, 998.
irroratus (Fabr.), Diolcus, 9.
irroratus Ball., Errhomenellus, 1891.
irroratus (Say), Phlepsius, 2228.
irroratus Van D., Platymetopius, 2026.
irroratus Osb., Scaphoideus, 2007.
irrorella Spångb., Gypona, 1924.
irrorellus (Stål), Mesamia, 1978.
isabellinus Westh., Calocoris, 986.

jactatus Sign., Corizus, 350.
†*jamaicensis Dist., Nysius,* 461.
januatus Ball, Thamnotettix, 2282.
jocosa Stål, Bruchomorpha, 2590.
jocosa Prov., Typhlocyba, 2370.
johannis Walk., Cicada, 1501*a*.
johnsoni Van D., Eutettix, 2170.
johnsoni Kngt., Lygus, p. 822.
josea Ball, Phlepsius, 2213.
jucunda (Uhl.), Aligia, 1968.
†*jucunda Van D., Eutettix,* 2180.
†*jucundus G. & B., Paramesus,* 1972.
jucundus Van D., Phytocoris, 947.
jucundus Uhl., Scaphoideus, 1984.

jugalis Prov., Euschistus, 120.
jugata Uhl., Telamona, p. 541.
†*juglandis Prov., Corythuca,* 639.
juglandis Fh., Corythucha, 649.
juniperi Heid., Psallus, 1214.
†*juniperina Prov., Pentatoma,* 106.
jurgiosa Stål, Acrosternum, 180.
jurgiosus (Stål), Paracalocoris, 984.
juvenca Hardy, Aphrodes, 2072.

kalmii Stål, Lygaeus, 437.
kalmii Reut., Nabis, 833.
kennicottii (Uhl.), Arctocorixa, 1438.
kennicotti (Uhl.), Thamnotettix, 2251.
kilmani Van D., Liburnia, 2764.
kinbergi Reut., Nabis, 828.
kincaidi Ashm., Aphalara, 2829*a*.
kirbyi (Fieb.), Arctocorixa, 1439.
kirbyii Fh., Otiocerus, 2698.
kirkaldyi Ball, Anotia, 2688.
kirkaldyi Bueno, Ranatra, 1381.
kirkaldyi Ball, Thamnotettix, 2258.
klugii Fieb., Notonecta, 1359.
klugii Burm., Pachycoris, 4*c*.
†*klugii H.S., Pachycoris,* 4*b*, *e*.
knighti Van D., Orthotylus, 1179⅝.
koebelei Osb., Phyllodinus, 2741.
kollarii (Fieb.), Callicorixa, 1417.
koreshanus Van D., Belonochilus, 474.
kormusi Crawf., Liburnia, 2788.
kunzei Gill., Dicraneura, 2389.

labeculata Uhl., Monanthia, 681.
labiata (Gill.), Aconura, 2122.
lacertae Sign., Spangbergiella, 1953.
lachrymalis Fh., Idiocerus, 1795.
lactea Dgl., Typhlocyba, 2437.
lactipennis (Van D.), Neocoelidia, 2345.
†*lacustris Kby., Gerris,* 1288.
laeta (Uhl.), Cicadula, 2357.
†*laeta Ashm., Thamnotettix,* 2256.
laeta Godg., Vanduzea, 1713.
laetus (Uhl.), Bythoscopus, 1835.
laetus Uhl., Neoborus, 1046.
laetus Uhl., Philophorus, p. 380.
laevicollis Champ., Zelus, 772.
laevigata (Uhl.), Arctocorixa, 1440.
†*laevigatus DeG., Cimex,* 879.
†*laevigatus Zett., Miris,* 885.
laevis (Uhl.), Phytocoris, 924.
laminalis Van D., Liburnia, 2762.
languida Stål, Pnirontis, 719.
languidus Van D., Orthotylus, 1175⅝.
languidus Ball, Thamnotettix, 2296.
lascivius Ball, Phlepsius, 2220.
lasiomerus Reut., Phytocoris, 922.
lassus (Ball), Euscelis, 2153½.
lata Walk., Poeciloptera, 2643.
lateralis (Leach), Arctocorixa, 1141.
lateralis Fabr., Cimex, 879.
lateralis (Stål), Conorhinus, 738.
†*lateralis Van D., Corimelaena,* 35.
†*lateralis Prov., Corizus,* 349.
lateralis (Say), Corizus, 348.
lateralis Van D., Cyrtolobus, 1696.
lateralis (Fieb.), Geocoris, 502*c*.
lateralis Van D., Liburnia, 2763.
lateralis Dall., Lygaeus, 456.
lateralis (Say), Meadorus, 203.
lateralis (Fabr.), Oncometopia, 1847.
lateralis Van D., Orthotylus, 1179¼.
lateralis (Linn.), Philaenus, 1560*c*.
lateralis Hahn, Poeciloscytus, 988*a*.
lateralis (Fabr.), Thyreocoris, 34.
lateralis H.S., Zelus, 788.
lateritus Westw., Spartocera, 277.
laticeps Crawf., Neotriozella, 2880.
laticollis (Reut.), Saldula, 1333.
laticornis (Say), Brochymena, 92.
laticornis Lap., Chondrocera, 243.
latifasciata (Davis), Tibicen, 1474*b*.
latifrons (Walk.), Acanalonia, 2642.
latifrons Van D., Phlepsius, 2229.
latimarginatus Zimm., Euschistus, 119.
latior M. & R., Xylocoris, 851.
latipennis Uhl., Ceratocombus, 1279.
latipennis Crawf., Trioza, 2857.
latipes (Say), Campylenchia, 1734.
lativentris Walk., Vulsirea, 176*a*.
latona Kirk., Notonecta, 1352*c*.
latulus Reut., Triphleps, 864*a*.
latus Bak., Platymetopius, 2016.
†*latus Van D., Platymetopius,* 2014*a*.
laureae Kngt., Lygus, p. 822.
lauri Tozt., Trioza, 2875.
lautus Van D., Stenocranus, 2701*a*.
lecticularius Stål, Conorhinus, 736.
lectularius Linn., Cimex, 836.
leibecki Godg., Centruchus, 1748.
leii Westw., Pentatoma, 178*a*.
lenticularis Uhl., Banasa, 185.
lenticularis Stål, Conorhinus, 736.
lepida Van D., Cicadula, 2359.
lepida (Stål), Heterosceloides, 208.
lepidus Stål, Anthocoris, 864.
lepidus Van D., Cixius, 2549.
leprosus Fabr., Cimex, 258.
leptopterus Germ., Aradus, 391.
lethierryi (Ewds.), Empoa, 2436.
leucocephalus (Linn.), Philaenus, 1560*d*.
leucophthalmus (Linn.), Philaenus, 1560.
leucopterus (Say), Blissus, 496.
leucospilus (Stål), Rhynocoris, 778.
leucostictus Gmel., Cimex, 192.
leucotomus Costa, Aradus, 389.
leucozonias Gmel., Cimex, 1158.
ligata (Say), Chlorochroa, 108.
ligata (Say), Pentacora, 1318.
†*ligata Fh., Pentatoma,* 106.
ligatus Say, Cydnus, 71.
lillianis Bueno, Acalypta, 637¼.
limbata (Say), Oncometopia, 1847*a*.
limbata Stål, Sephina, 282.
limbatellus Walk., Horcias, 1000*b*.

limbatipennis Spangb., Gypona, 1919.
limbatus Stål, Geocoris, 502*d*.
limbatus Dahlb., Nabis, 826.
limbatus Van D., Thamnotettix, 2283.
limbolarius Stål, Peribalus, 94.
limbosa (Horv.), Saldula, 1331*a*.
limbus McAtee, Paracalocoris, 984½.
limitata Fieb., Corisa, 1450.
limus Van D., Cyrtolobus, 1679.
linearis P.B., Capsus, 1031.
linearis Dist., Sysinas, 1083.
lineata (Forst.), Arctocorixa, 1442.
lineata Ball, Clastoptera, 1567*a*.
lineata Sign., Clastoptera, 1562.
lineata Fairm., Hoplophora, 1728*a*.
lineata Say, Hydrometra, 1281.
lineata Bak., Neocoelidia, 2348.
†*lineaticollis Bak., Clastoptera*, 1564.
†*lineaticollis Ball, Clastoptera*, 1562.
lineatifrons (Stål), Cicadula, 2366.
lineatipes Van D., Liburnia, 2790.
lineatocollis Stål, Clastoptera, 1567.
lineatus Fabr., Cercopis, 1560*g*.
lineatus Buckt., Cyrtolobus, 1690*a*.
lineatus Bak., Errhomenellus, 1888.
lineatus (Uhl.), Hecalus, 1952.
lineatus Ball, Oecleus, 2556.
lineatus (Linn.), Philaenus, 1561.
†*lineatus Uhl., Philaenus*, 1559.
lineatus Reut., Phytocoris, 940.
lineatus (Fabr.), Poecilocapsus, 1004.
†*lineatus Dall., Rhyparochromus*, 555.
lineatus A. & S., Zelus, 786.
lineiceps Spin., Graphocephala, 1865*a*.
lineola Stål, Delphax, 2717.
lineola Dall., Lygaeus, 446.
lineolaris P.B., Capsus, 1031.
lineolata (H.S.), Mozena, 262.
lineolatus (H.S.), Apateticus, 222.
lineolatus Uhl., Macrotylus, 1202.
†*lineolatus Emns., Phytocoris*, 1020.
lineosa Walk., Aconophora, 1722.
lingula Van D., Dictyophora, 2463.
liniarius Linn., Cimex, 1071.
linitaris Say, Reduvius, 764.
linnaei Westw., Pachycoris, 4*d*.
linnei (S. & G.), Tibicen, 1473.
lintneriana Kirk., Cosmopepla, 149.
lippulus Ball, Phlepsius, 2210.
literata Walk., Fidicina, 1484.
litigiosum Duf., Belostoma, 1388.
litigiosus (Stål), Ligyrocoris, 539.
†*littoralis Fabr., Acanthia*, 1341.
†*littoralis Schr., Acanthia*, 1332.
littoralis Ball, Deltocephalus, 2082.
†*littoralis Fieb., Salda*, 1336.
littoralis (Linn.), Salda, 1320.
†*littoralis Prov., Salda*, 1328.
liturata Ball, Homalodisca, 1849.
lituratus (Fabr.), Piezodorus, 191.
livens Zett., Pholetaera, 1936.
lividellus (Zett.), Deltocephalus, 2085.
lividipennis Stål, Geocoris, 506.
livingstoni (Bak.), Balclutha, 2376.
livingstoni Gill., Empoasca, 2408.
lobata (Burm.), Hymeniphera, 275.
lobata (Say), Mezira, 404.
lobata Crawf., Trioza, 2866.
lobatus Van D., Ischnodemus, 492.
†*lobatus Prov., Mezira*, 407.
lobatus Osb., Phlepsius, 2234.
lobatus Van D., Scaphoideus, 1989.
loculatus Ball, Phlepsius, 2219¼.
longiceps Stål, Ortholomus, 461.
longiceps Stål, Phymata, 690.
longicollis Uhl., Orectoderus, 1102.
†*longicornis Sahlb., Miris*, 898.
longicornis Uhl., Teratocoris, 898.
longicornis Crawf., Trioza, 2872.
longipennis Crawf., Leuronota, 2851.
longipennis Costa, Nabis, 828.
longipennis Uhl., Oncotylus, 1212.
longipennis Oshn., Teratocoris, p. 820.
longipes DeG., Cimex, 709.
†*longipes Prov., Emesa*, 697.
longiseta Van D., Thamnotettix, 2310.
longispinis Champ., Apiomerus, 761.
longispinus Stål, Hyalymenus, 318.
longistylus Crawf., Trioza, 2859.
longula Stål, Mecidea, 80.
longulus (Dall.), Paromius, 546.
longulus G. & B., Thamnotettix, 2285.
loricatus Van D., Platymetopius, 2025.
louisianae Aulm., Trioza, 2870.
lucernea Walk., Proconia, 1846.
lucida Abb., Arctocorixa, 1442½.
lucida Walk., Monanthia, 643.
lucidus Kschb., Capsus, 1036.
lucidus McAt., Paracalocoris, p. 820.
lucidus Bak., Thamnotettix, 2272.
lucorum (Mey.), Lygus, 1016.
luctuosa var. Westh., Salda, 1332.
luctuosa (Stål), Saldula, 1340.
luctuosus Prov., Chlamydatus, 1108, 1262.
luctuosus Stål, Hammacerus, 755.
luctuosus Stål, Thamnotettix, 2323.
lugens Stål, Anasa, 303.
lugens (Fabr.), Mormidea, 111.
lugens Walk., Tettigonia, 1847.
lugubris Fall., Aradus, 386.
†*lugubris Prov., Salda*, 1330.
†*lugubris Uhl., Salda*, 1323.
lugubris (Say), Saldula, 1338.
lugubris Ball, Telamona, 1636.
lunaris Gmel., Euryophthalmus, 614.
lunaris Ball, Idiocerus, 1779*a*.
lunata (Burm.), Mozena, 265.
lunatus Fabr., Cimex, 614.
lunatus Van D., Myndus, 2571.
luniger Fieb., Ophthalmicus, 498.
lunulatus Uhl., Dysdercus, 628.
lunulatus Fabr., Lygaeus, 614.
lurida Mlch., Danepteryx, 2626.
lurida Garb., Dictyonota, p. 815.
lurida Stål, Melanorhopala, 668.

lurida (Dall.), Mozena, 264.
luridellus Fieb., Cardiastethus, 869.
luridula Reut., Eurychilopterella, 1056.
†*luridus Bueno, Cymus,* 485.
luridus Stål, Cymus, 483.
luridus Stål, Diplodus, 771.
luridus Dall., Euschistus, 125.
luridus (Van D.), Eutettix, 2160.
luridus (Reut.), Platylygus, 1013.
lusorius (O. & B.), Chlorotettix, 2336.
lutarium (Stål), Belostoma, 1394.
lutea G. & B., Cicadula, 2304.
lutea Mull., Notonecta, 1348.
lutea (Walk.), Stictocephala, 1598.
†*luteiceps (H. & P.), Sixeonotus,* 1073.
luteiceps Reut., Sixeonotus, 1076.
luteicornis Westw., Acanthosoma, 192.
luteivitta (Walk.), Dicranotropis, 2803.
luteocephalus S. & D., Deltocephalus, 2033½.
luteolus Fyles, Aradus, 393½.
luteolus Dist., Corizus, 346*a*.
luteolus Van D., Scaphoideus, 1995.
lutescens Reut., Ceratocapsus, 1137.
luteus Goeze, Cimex, 1071.
lutulenta Van D., Liburnia, 2780.
†*lynx Stål, Carpocoris,* 110.
lyrata Bak., Agallia, 1773.
lyricen (DeG.), Tibicen, 1477.

macgillivrayi Bak., Cicadula, p. 695.
macrocephalus Lam., Phymata, 691.
macroceps Kirk., Corixa, 1465.
macronyx Mayr, Abedus, 1405.
†*maculata Latr., Acanthia,* 1341.
maculata Funkh., Carynota, 1610.
maculata Gill., Dicraneura, 2383.
maculata (Gill.), Erythroneura, 2445*g*.
maculata Van D., Lamenia, 2677.
maculata Crawf., Leuronota, 2850.
maculata Fieb., Notonecta, 1352*c*.
maculata A. & S., Plociomerus, 549.
maculata Hald., Ploiaria, 697.
maculata (Crawf.), Psyllia, 2917.
maculata Van D., Telamona, 1654.
maculatus (Fieb.), Corizus, 345*a*.
maculatus (Buckt.), Cyrtolobus, 1688.
maculatus Van D., Dichrooscytus, 999.
maculatus (G. & B.), Errhomenellus, 1892.
maculatus Mlch., Issomorphus, 2638.
maculatus Mlch., Naethus, 2615.
†*maculatus D. & S., Nysius,* 468.
maculatus Fieb., Nysius, 470.
maculatus Osb., Phlepsius, 2215.
maculellus Osb., Phlepsius, 2216.
maculicollis Rey, Corizus, 345*c*.
maculicollis Stål, Homalocoris, 757.
maculicollis Reut., Resthenia, 902.
maculifrons Van D., Catonia, 2513.
maculifrontis (Emns.), Cyrtolobus, 1681.
maculipennis Crawf., Aphalara, 2816.
maculipennis Fh., Idiocerus, 1802.
maculipennis (Fh.), Livia, 2810.
maculipennis Crawf., Paratrioza, 2854.
†*maculipennis Walk., Pirates,* 749.
maculiventris (Say), Podisus, 227.
maculosus Ball, Scolops, 2475.
maerkelii (H.S.), Pithanus, 918.
magdalena (Bak.), Aconura, 2115.
magdalensis Prov., Platymetopius, 2029.
magna (Crawf.), Liburnia, 2775.
magna (Crawf.), Psyllia, 2835*a*.
magna Crawf., Psyllopa, 2904.
magnicauda (Crawf.), Psyllia, 2929.
†*magnicornis Fall., Coreus,* 345.
magnifrons (Crawf.), Liburnia, 2786.
magniloba Godg., Telamona, 1641.
magnistyla (Crawf.), Liburnia, 2782.
magnoliae Heid., Leptoglossus, 249.
magnoliae Ashm., Trioza, 2877.
magnus Bak., Eugnathodus, 2377*a*.
magnus O. & B., Euscelis, 2129.
magnus Osb., Eutettix, 2167.
magnus Bak., Macropsis, 1843.
maidis (Ashm.), Peregrinus, 2738.
majestus O. & B., Phlepsius, 2195.
majestus Ball, Platymetopius, 2012.
major Costa, Pachytoma, 1189.
major Osb., Parabolocratus, 1956.
major (Prov.), Saldula, 1323.
major Osb., Scaphoideus, 1996*b*.
major Bak., Xerophloea, 1931.
majus Emns., Gargara, 1609.
majuscula Van D., Catonia, 2522.
malachitica Dhlb., Psylla, 2817.
malefica (Wlsh.), Empoasca, 2425.
mali (Prov.), Dikraneura, 2386.
mali (LeB.), Empoasca, 2421.
maligna Wlsh., Empoasca, 2399.
malina Germ., Amphiscepa, 2639.
malina (Uhl.), Ilnacora, 1185.
malinus Reut., Heterocordylus, 1127.
†*malinus Prov., Sthenarops,* 1031.
manca Uhl., Danepteryx, 2625.
†*manicatus Burm., Macrocephalus,* 691.
manicatus (Fabr.), Macrocephalus, 692.
manitobiana Ball, Draeculacephala, 1877.
manitou (Ball), Aligia, 1971.
manitou (G. & B.), Balclutha, 2375.
margaritacea Bueno, Buenoa, 1362.
marginalis Turt., Cimex, 1332.
marginalis (Reut.), Horcias, 1000*d*.
marginalis Reut., Lomatopleura, 1145*a*.
marginalis Walk., Lygaeus, 357.
†*marginalis H.S., Salda,* 1335.
marginalis (Walk.), Tibicen, 1485.
†*marginata Howd., Cicada,* 1484.
marginata Say, Cicada, 1485.

marginata Prov., Evagoras, 770.
marginata Fabr., Fulgora, 2766.
marginata Van D., Largidea, 1089.
marginata Ptch., Livia, 2811.
†*marginata Slos., Lopidea,* 1146.
marginata Uhl., Lopidea, 1150.
marginata Uhl., Microvelia, 1302.
marginata Walk., Proconia, 1846.
marginata (Van D.), Prokelisia, 2716.
marginata Crawf., Trioza, 2868.
marginato-striatus Goeze, Cimex, 829.
marginatum (P.B.), Acrosternum, 180.
†*marginatum Burm., Piesma,* p. 815.
marginatus Uhl., Aradus, 385.
marginatus Walk., Capsus, 1000*b*.
marginatus Jakl., Corizus, 343*c*.
marginatus Say, Gerris, 1288.
marginatus Uhl., Nabis, 818.
marginatus (Uhl.), Orthotylus, 1177.
marginatus Prov., Perillus, 217.
marginatus Van D., Pissonotus, 2723.
marginatus Hahn, Poeciloscytus, 988*b*.
marginatus Dall., Rhaphigaster, 108.
marginella Stål, Brochymena, 91.
marginella Fabr., Cerecopis, 1847.
marginella Dall., Corimelaena, 37.
marginella (Walk.), Herrera, 1509.
†*marginella Barb., Stenomacra,* 622.
marginella (H.S.), Stenomacra, 621.
marginella Dall., Zicrona, 218.
marginellus Dall., Lygaeus, 441*a*.
marginellus (Fabr.), Philaenus, 1560*e*.
marginellus (Stal), Platycarenus, 78.
marginepunctata Mlch., Dictyssa, 2604.
†*marginepunctatus Uhl., Gonianotus,* 597.
marginiventris (Stål), Apateticus, 223.
margo (Dall.), Pangaeus, 55.
marinus Carp., Trachopus, 1312.
mariposa Davis, Okanagana, 1516.
marmorata (Say), Carynota, 1613.
†*marmorata Van D., Carynota,* 1611.
marmorata (Uhl.), Corythucha, 645.
marmorata Godg., Stictopelta, 1724.
marmoratus Spin., Calyptoproctus, 2455.
marmoratus Van D., Dichrooscytus, 956.
marmoratus Van D., Eutettix, 2161.
marmoratus (Uhl.), Horcias, 1003.
marmoratus (Say), Stethaulax, 11.
marqueti Put., Reuteria, 1169.
martini Kirk., Hydrometra, 1281.
maura Fstr., Trioza, 2869.
mavortius (Say), Cnemodus, 566.
maxima (Uhl.), Triatoma, 737.
media Walk., Ectrichodia, 751.
media (Say), Lopidea, 1146.
media Walk., Physoplia, 1726.
medicaginis Crawf., Kuwayama, 2848.
mediospinosa Sign., Dacerla, 1095.
meditabunda Spångb., Gypona, 1914.
medius (Bak.), Balclutha, 2373*b*.
megalopa O. & B., Lonatura, 2109.
meilleurii Prov., Collaria, 875.
melaena Kirk., Notonecta, 1356*a*.
melanocantha Walk., Mormidea, 129.
melanocephalus (Reut.), Engytatus, 1114.
†*melanocephalus Uhl., Eysarcoris,* 154.
melanocerus Reut., Anthocoris, 862.
melanodermus Montd., Lygaeus, 437*a*.
melanogaster Osb., Ceresa, 1580.
melanogaster (Prov.), Thamnotettix, 2305.
melanopleurus Uhl., Lygaeus, 445.
melanopterus Stål, Ambrysus, 1373.
melanota Spångb., Gypona, 1906.
melanotus DeL., Chlorotettix, 2327*a*.
melanotus Spng., Jassus, 2342.
melanotus Osb., Scaphoideus, 1997.
melaxanthus H.S., Capsus, 1000.
melichari Van D., Cyarda, 2664.
melichari (Ball), Fitchiella, 2582.
melina Flor, Psylla, 2923½.
melinus Harr., Cimex, 1071.
mellus S. & D., Thamnotettix, 2318½.
†*melsheimeri Osb., Deltocephalus,* 2071.
melsheimerii (Fh.), Deltocephalus, 2075.
†*melsheimerii Van D., Deltocephalus,* 2079.
mendax Reut., Lygidea, 1011.
mendica Stål, Catorhintha, 296.
mendicus Ball, Thamnotettix, 2270.
mendosus Ball, Deltocephalus, 2047.
mera (Say), Carynota, 1609.
meratii Guer., Acucephalus, 1933.
mercenaria (Say), Arctocorixa, 1443.
mercedita Davis, Okanagana, 1528.
meriopterum (Scop.), Heterotoma, p. 823.
metzaria Crawf., Aphalara, 2822*a*.
metzaria (Crawf.), Pissonotus, 2730.
mexicana Spångb., Gypona, 1905.
mexicana Guer., Membracis, 1731.
mexicana A. & S., Notonecta, 1359.
mexicana Sign., Rhagovelia, 1310.
mexicana Champ., Schumannia, 726.
mexicana Bak., Spangbergiella, 1954.
mexicana Stål, Telamona, 1656.
mexicana Dist., Tettigades, 1508.
mexicanus Sign., Corizus, 346*a*.
mexicanus Dist., Neurocolpus, 921.
mexicanus Mayr, Stenoscytus, 1402.
micans Eschs., Halobates, 1299.
micarius Ball, Deltocephalus, 2056.
†*micrantula G. & B., Zaitha,* 1393.
microphthalmus Flor, Sciocoris, 79.
microrhina Walk., Dictyophora, 2462.
mildredae Ball, Eutettix, 2185.
militaris Uhl., Hadronema, 1153.
milvus Walk., Cicada, 1489.

mimetica Barb., Arhaphe, 625.
mimetica Osb., Coquillettia, 1104.
mimeticus Heid., Atheas, 678.
mimicus G. & B., Idiocerus, 1796.
mimosae Crawf., Heteropsylla, 2839.
mimulus (Stål), Lygaeus, 458.
mimus (Say), Dysdercus, 627.
mimus Bak., Phlepsius, 2221.
minax Godg., Platycotis, 1729.
minima Abb., Corixa, 1466.
minima (Guer.), Ptochiomera, 561.
minimus Bak., Chlorotettix, 2333.
minimus O. & B., Deltocephalus, 2075.
minimus Uhl., Dicyphus, 1111.
†*minki Prov., Deltocephalus,* 2073.
minor O. & D., Alveotingis, p. 818.
minor Reut., Apocremnus, 1243.
minor Abb., Arctocorixa, 1444*a*.
minor (Walk.), Draculacephala, 1875.
minor McAt., Leptoypha, p. 817.
minor (Fh.), Oncopsis, 1830.
minor Ball, Orgerius, 2487.
minor Uhl., Platypedia, 1541.
minor (Crawf.), Psyllia, 2925*a*.
minor Osb., Scaphoideus, 1996*a*.
minor Duf., Zaitha, 1400.
minore Crawf., Pentagramma, 2808.
minuta (Bak.), Aconura, 2120.
minuta Crawf., Arytaina, 2907.
minuta (Van D.), Lonatura, 2108.
minuta Davis, Okanagana, 1532.
minuta (Crawf.), Psyllia, 2920.
minuta Funkh., Stictocephala, 1591.
minuta Osb., Stobaera, 2754.
minuta Crawf., Trioza, 2870.
minutissima Crawf., Aphalara, 2830.
minutulus Reut., Phytocoris, 927.
minutus Bergr., Aneurus, 416.
minutus (Uhl.), Ceratocapsus, 1141.
minutus Bergr., Cligenes, 579.
minutus Van D., Dicyphus, 1111.
minutus Uhl., Halticus, 1122.
minutus (Mayr), Homalocoris, 756.
minutus Crawf., Megamelus, 2719*a*.
minutus Uhl., Nysius, 470*a*.
minutus (Uhl.), Thyreocoris, 38.
mira Crawf., Crawfordiella, 2884.
mirabilis (Perty), Cyrtomenus, 44.
miracula Ball, Timodema, 2496.
misella (Stål), Poblicia, 2459.
misella Boh., Typhlocyba, 2435.
miscellus (Stål), Bythoscopus, 1838.
misellus Van D., Cixius, 2545.
misellus Ball, Deltocephalus, 2054.
mixta Say, Tettigonia, 1932.
†*mixtus Van D., Acucephalus,* 1936.
modesta (O. & B.), Aligia, 1970.
modesta Abb., Arctocorixa, 1443½.
modesta Van D., Cyphopelta, 1100.
modesta Gibs., Empoa, p. 827.
modesta Spångb., Gypona, 1926.
modesta Banks, Pnirontis, 721.
modesta Uhl., Publilia, 1721.
modesta (Godg.), Telamonanthe, 1660.
modestus (Van D.), Atomoscelis, 1251.
modestus (Uhl.), Ceratocapsus, 1138.
modestus Reut., Mierophylellus, 1225.
modestus Wrtnr., Neobothynotus, p. 820.
modestus Van D., Orthotylus, 1175¼.
modestus Uhl., Peribalus, 94.
modestus Stål, Platymetopius, 2009.
modestus (Dall.), Podisus, 229.
moerens Reut., Plagiognathus, 1233.
moesta Dall., Anasa, 306.
moesta Stål, Mezira, 406.
moestus Stål, Apiomerus, 760.
†*moestus H.S., Chariesterus,* 283.
moestus Gmel., Cimex, 301.
moestus Fabr., Reduvius, 277.
molaris Butl., Telamona, 1640.
mollicula Van D., Acanalonia, 2645.
mollicula O. & D., Corythucha, 649¼.
molliculus Van D., Orthotylus, 1177¼.
†*mollipes Prov., Diedrocephala,* 1879.
mollipes (Say), Draeculacephala, 1874.
monachus Uhl., Lygus, 1021.
moniliferae O. & B., Idiocerus, 1792.
monospilus Walk., Arma, 231.
montana Crawf., Trioza, 2855.
montanus Bergr., Aradus, 374.
montanus Bak., Errhomenellus, 1887.
montanus Ball, Parabolocratus, 1955*a*.
montanus Van D., Thamnotettix, 2274.
montanus Van D., Thyreocoris, 35.
montezuma Kirk., Notonecta, 1358.
montezuma (Dist.), Tibicen, 1496.
monticola (Fabr.), Telamona, 1645.
†*monticola Uhl., Telamona,* 1646.
monticolor G. & B., Deltocephalus, 2076.
moodii Gibs., Tinobregmus, p. 826.
mopsus Stål, Mamurius, 274.
morgani (DeL.), Empoa, 2430*c*.
morio Reut., Lygidea, 1012.
mormo Kirk., Bruchomorpha, 2587.
mormon Montd., Ambrysus, 1374.
morsei Osb., Thamnotettix, 2263.
morosus Ball, Idiocerus, 1787.
morrillli O. & D., Corythucha, p. 815.
mucosa Champ., Repipta, 787.
mucronatus Uhl., Podisus, 233.
munda (Ball), Aligia, 1969.
munda Stål, Murgantia, 173.
munda Dall., Strachia, 173.
mundum (Uhl.), Cimatlan, 1052.
mundus Walk., Dysdercus, 629.
mundus Stål, Oplomus, 213.
mundus Reut., Phytocoris, 958.
mulsanti White, Mesovelia, 814.
multicolor H.S., Capsus, 966.
multipunctatus Van D., Macrotylus, 1201¼.

multisignatus Reut., Paracalocoris, 983.
multispinosa (DeGeer), Acholla, 797.
†*multispinosa A. & S., Sinea*, 800.
multispinosus DeG., Cimex, 800.
†*multispinosus Barb., Jalysus*, 423.
multispinus Ashm., Hoplinus, 420.
†*multispinus Banks, Jalysus*, 423.
multispinus (Stål), Ligyrocoris, 541.
†*musculus Prov., Anthocoris*, 860.
musculus (Say), Anthocoris, 861.
muskokensis Godg., Carynota, 1611.
musteus Ball, Idiocerus, 1785.
mutabilis var. Fall., Capsus, 1189.
mutabilis Perty, Cydnus, 44.
mutabilis Burm., Halticus, 1189.
mutabilis (Fall.)), Orthocephalus, p. 824.
mutata Mlch., Dictyssa, 2610.
mutica (Say), Leptoypha, 666.
muticus H.S., Archimerus, 271.
muticus (Fabr.), Cyrtolobus, 1695.
†*muticus Van D., Cyrtolobus*, 1671–72.
muticus (Say), Neides, 419.
multillarius Fabr., Reduvius, 749.
†*mutillarius Guer., Reduvius*, 747.
myops Stål, Brochymena, 84.

nacreosus Crmb., Chlorotettix, 2330.
nana Walk., Poeciloptera, 2639.
nanus Van D., Oeclidius, 2552.
nasulus Say, Rhinuchus, 238.
nasuta Ball, Bostaera, 2749.
nasuta Stål, Bruchomorpha, 2589.
nasutus Van D., Platymetopius, 2024.
nava (Say), Catonia, 2507.
nebulosa P.B., Acanthocerus, 306.
nebulosa Zett., Aphalara, 2829.
nebulosa Kby., Edessa, 203.
nebulosa Ball, Lonatura, 2113.
nebulosa P. B., Scutellera, 9.
nebulosus Uhl., Camptobrochys, 1058.
†*nebulosus Stål, Galgulus*, 1409.
nebulosus Sign., Corizus, 346*a*.
nebulosus Van D., Phlepsius, 2244.
nebulosus (Fall.), Sphragisticus, 592.
necopinus Van D., Chlorotettix, 2337.
necopinus Van D., Orthotylus, 1178½.
neglecta Walk., Monecphora, 1545.
neglectus Kngt., Lygus, p. 822.
neglectus Osb., Scaphoideus, 1981.
neglectus Edwds., Scolopostethus, 610.
neglectus Garb., Triphleps, 863.
negundinis (Mlly.), Psyllia, 2934.
nemoralis Van D., Catonia, 2511½.
neomexicanus Bak., Phelpsius, 2198.
nervata Van D., Catonia, 2518.
nervatus Van D., Idiocerus, 1777.
nervatus Prov., Jassus, 2156.
nervatus Van D., Phyllodinus, 2739.
nervosa Tmsn., Aphalara, 2825.
nervosa (Say), Hymenarcys, 143.
nervosa Buckt., Stictocephala, 1600.
nervoso-punctatum Sign., Aethalion, 1753.
nervosus (Schr.), Acucephalus, 1933.
nervosus Boh., Nabis, 827.
nervosus Van D., Oecleus, 2564.
nevada Ball, Eutettix, 2188½.
nevadensis Bak., Eugnathodus, 2378.
nevadensis Bak., Ortholomus, 463.
nicoletanensis Prov., Eurygaster, 19.
nidifex Schw., Euphalerus, 2898.
nigella Fairm., Polyglypta, 1715.
niger Stål, Aradus, 395.
niger Uhl., Ceratocombus, 1278.
niger Bak., Nysius, 470*b*.
†*niger Dall., Ophthalmicus*, 502.
niger (Dall.), Thyreocoris, 31.
niger (Wolff), Triphleps, 863.
nigerrimus Van D., Apocremus, 1244½.
nigra Ball, Clastoptera, 1566*c*.
nigra Ball, Drionia, 1964½.
nigra G. & B., Empoasca, 2409.
nigra (Gill.), Erythroneura, 2448*a*.
nigra Woodw., Gypona, 1906.
nigra Pshly., Macrotracheliella, p. 819.
nigra Oliv., Membracis, 1732.
nigra Crawf., Paratrioza, 2852.
nigra H.S., Ranatra, 1382.
nigra Crawf., Trioza, 2870.
nigra (Osb.), Typhlocyba, 2428.
nigricans Van D., Macropsis, 1819.
nigricans Ckl., Murgantia, 172.
nigricans Walk., Proconia, 1846.
nigricans Osb., Scaphoideus, 1993.
nigricans Van D., Stictocephala, 1596.
nigricephalus (Emns.), Cyrtolobus, 1690*b*.
nigriclavus Reut., Oncerometopus, 914.
nigricollis Ball, Platymetopius, 2030½.
nigricollis (Reut.), Platytylellus, 906.
nigricornis Champ., Atheas, p. 818.
nigricornis Fh., Blissus, 496.
nigricornis Hahn, Capsus, 1008.
nigricornis (Stål), Coriomeris, 334.
nigridea Uhl., Lopidea, 1151.
nigridorsum (DeL.), Erythroneura, 2447½.
nigridorsum (Crawf.), Liburnia, 2792.
nigridorsum Ball, Mesamia, 1972.
nigridorsum Godg., Publilia, 1719*a*.
†*nigrifrons Van D., Deltocephalus*, 2097.
nigrifrons Ball, Phlepsius, 2217.
nigrifrons (Frbs.), Thamnotettix, 2314.
nigrifrons Crawf., Trioza, 2869.
nigrifrons Osb., Xestocephalus, 1944.
nigrigaster (Crawf.), Liburnia, 2794.
nigriger (Stål), Poecilocapsus, 1005.
nigrilla Crawf., Trioza, 2870.

nigrina, Champ., Teleonemia, 671.
nigrinasi (Fh.), Oncopsis, 1831.
nigrinasi Van D., Orthotylus, 1175¼.
nigrinervis (Stål), Lygaeus, 451.
nigrinus Put., Corizus, 343*b*.
nigripennis Rly., Calophya, 2844.
nigripennis Fabr., Cicada, 1851.
nigripennis Crawf., Stobaera, 2756.
nigripes Reut., Anthocoris, 853.
nigripes (Reut.), Labopidea, 1192.
nigripes Fieb., Psallus, 1243.
nigristernum Sign., Corizus, 348.
†*nigristernum Uhl., Corizus,* 349.
nigrita Reut., Horcias, 1000*e*.
nigrita A. & S., Physoplia, 1726.
nigritula Zett., Mecomma, 1187.
nigritus Reut., Camptobrochys, 1068.
nigriventer S. & D., Deltocephalus, 2059½.
nigriventris Stål, Nabis, 819.
nigriventris (Walk.), Tibicen, 1483*a*.
nigriviridis Ball, Platymetopius, 2011.
nigrocincta Van D., Ophiderma, 1706.
†*nigrolineata Thoms., Corisa,* 1450.
nigrolineata Godg., Platycotis, 1728.
nigro-maculata Prov., Platycotis, 1728.
nigromarginata Sign., Dictyophora, 2464.
nigronervosus Mlch., Naethus, 2617.
nigropallidus, Kngt., Lygus, p. 821.
nigrophthalmus Retz., Cimex, 1014.
nigropunctata Zett., Pholetaera, 1936.
nigro-rubra Spin., Vulsirea, 176*c*.
nigroscuta G. & B., Empoasca, 2414.
nigro-vittata Stål, Fitchia, 789.
nitens Reut., Camptobrochys, 1070*a*.
nitens Van D., Eutettix, 2169.
nitens Van D., Heraeus, 529.
nitens Van D., Phyllodinus, 2740.
nitens Van D., Xestocoris, 604.
nitida (Fieb.), Arctocorixa, 1444.
nitida Stål, Pagasa, 816.
nitidicollis (Stål), Orthaea, 552.
nitidula Don., Cicada, 1936.
nitidula (Fabr.), Empoa, 2430½.
nitiduloides (Wolff), Thyreocoris, 28.
nitidulus (Uhl.), Ligyrocoris, 536.
nitidus Van D., Cyrtolobus, 1698.
nitidus Uhl., Halticus, p. 376.
niveipennis Schw., Euphyllura, 2895*a*.
nobilis Forb., Macropsis, 1762.
noctivaga Ball, Lonatura, 2112.
noctuans Kngt., Sericophanes, 1097½.
nodosa Say, Ptochiomera, 557.
†*nodosus Prov., Plociomerus,* 612.
noevus (Gill.), Erythroneura, 2447*b*.
norvegicus (Gmel.), Calocoris, 985.
notabilis (Dist.), Cymoninus, 481.
notata Flor, Psylla, 2922.
notatipennis Stål, Burtinus, 321.
notatus Westw., Macrocephalus, 693.
notulus Germ., Megamelus, 2717.
noualhieri Handl., Phymata, 688.
nova Godg., Stictopelta, 1723.
novascotiensis Kngt., Lygus, p. 822.
noveboracensis Gmel., Arctocorixa, 1442.
†*noveboracensis Cooke, Cicada,* 1522.
novoeboracensis Sign., Corizus, 345.
noveboracensis Fh., Draeculacephala, 1879.
noveboracensis (Emns.), Okanagana, 1523.
novella (Say), Agallia, 1762.
novenarius Say, Reduvius, 796.
nubeculosus Stål, Cyrpoptus, 2458.
nubifera Ptch., Aphalara, 2815½.
nubila (Van D.), Macropsis, 1804.
nubilatus Kngt., Lygus, p. 821.
nubilosus Kngt., Lygus, p. 821.
nubilus Van D., Lygus, 1038¼.
nubilus (Say), Neurocolpus, 920.
nubilus Van D., Oncocephalus, 730.
nubilus McAt., Paracalocoris, p. 820.
nudus Ball, Phlepsius, 2242.
nudatus Ball, Chlorotettix, 2339.
numenius (Say), Belonochilus, 473.
nychthemerus Burm., Hammatocerus, 754.

obesa Van D., Laccocera, 2748.
obesa Montd., Mozena, 266.
obesa Ball, Orgamara, 2492.
obesa Uhl., Rhagovelia, 1309.
obesus O. & B., Deltocephalus, 2093.
obfuscatus Gmel., Cimex, 1017.
oblineatus Say Capsus, 1031.
obliqua (Uhl.), Anasa, 305.
obliqua O. & D., Corythucha, 643.
obliqua Ball, Dictyssa, 2611.
obliqua Say, Erythroneura, 2447.
obliquus (Uhl.), Aethus, 53.
obliquus Uhl., Aradus, 395.
obliquus (Uhl.), Chlamydatus, 1265.
obliquus H.S., Dysdercus, 630.
obliquus (Say), Harmostes, 338.
obliquus Uhl., Orectoderus, 1101.
obliquus (Germ.), Sphyrocoris, 12.
†*oblonga Prov., Leptostyla,* 653.
oblonga (Say), Leptostyla, 659.
oblonga Westw., Pentatoma, 102, 178*b*.
oblonga Stål, Ptochiomera, 562.
obovatus Champ., Melanocoris, p. 819.
obscura Van D., Aphelonema, 2596.
obscura Uhl., Dictyonia, 2622.
obscura H. S., Halys, 87.
obscura Ball, Lamenia, 2673.
obscura Dall., Leptoscelis, 258.
obscura Fieb., Liburnia, 2766*a*.
obscura Uhl., Lopidea, 1150.
obscura Reut., Lygidea, 1010*c*.
obscura Pshly., Melanorhopala, p. 818.
obscura Van D., Ophiderma, 1701.
obscura Ball, Orgamara, 2494.
obscura Bak., Neocoelidia, 2352.
obscura P. B., Pentatoma, 129.
obscura Reut., Phimodera, 23*b*.

obscura Prov., Salda, 1320.
obscurator (Fabr.), Margus, 290.
obscuratus Dist., Dysdercus, 635.
obscuratus Montd., Geocoris, 499*b*.
obscurella Boh., Liburnia, 2781.
obscurellus Walk., Capsus, p. 419.
obscuripennis (Stål), Lygaeus, 450.
obscuripes Uhl., Apateticus, 226.
obscurus Curt., Acucephalus, 1933.
obscurus Westw., Alydus, 317.
obscurus Stål, Cimolus, 300.
obscurus Van D., Eremocoris, 602.
‖*obscurus Dall., Euschistus,* 129.
obscurus (Duf.), Lethocerus, 1389.
obscurus Westw., Metapodius, 238.
obscurus Stål, Mononyx, 1410.
obscurus Uhl., Plagiognathus, 1239.
obscurus Osb., Platymetopius, 2029.
†*obscurus Van D., Platymetopius,* 2027.
obscurus Uhl., Poeciloscytus, 992.
obscurus Hahn, Rhynarius, 863.
obsoleta Ball, Telamona, 1632.
†*obsoletus Prov., Athysanus,* 2136.
obsoletus Walk., Bythoscopus, 1778.
obsoletus H.S., Gonocerus, 308.
obstinatus Ball, Idiocerus, 1786.
obtectus O. & B., Deltocephalus, 2057.
obtusa (Say), Clastoptera, 1562.
obtusa Wlsh., Empoasca, 2398.
obtusa Uhl., Mozena, 263.
obtusa Fabr., Oncometopia, 1846.
obtusa Ptch., Trioza, 2865.
obtusus Uhl., Cyrtomenus, 44.
obtusus Walk., Largus, 616.
obtusus Ball, Oecleus, 2555.
obtusus Barb., Phrynomorphus, 2158.
obtusus Osb., Scaphoideus, 1998.
obtusus (Uhl.), Thyreocoris, 39.
obtutus (Van D.), Euscelis, 2158.
occatoria (Say), Cicadella, 1858.
occidentalis (Bak.), Aconura, 2116.
occidentalis (Bak.), Balclutha, 2374.
occidentalis Funkh., Ceresa, 1573.
occidentalis Bak., Corizus, 345*h*.
occidentalis Heid., Leptoglossus, 247.
occidentalis (Van D.), Macropsis, 1810.
occidentalis (Godg.), Micrutalis, 1606.
occidentalis Van D., Myndus, 2576.
occidentalis (Walk.), Okanagana, 1520.
occidentalis Bak., Phlepsius, 2243.
occiduus Bueno, Zelus, 776.
occlusa Van D., Liburnia, 2789.
ocellaris (Fall.), Deltocephalus, 2052.
§*ocellata Uhl., Bruchomorpha,* 2583.
ocellata Crawf., Paratrioza, 2852.
ocellata Costa, Salda, 1332.
ocellata Mlch., Thionia, 2635.
ocellatus Prov., Macropsis, 1830.
ocellatus Reut., Sericophanes, 1097.
ochracea Prov., Psylla, 2943¼.
ochraceus Osb., Scaphoideus, 1990.
ochraceus H.S., Zelus, 788.
ochreoptera Uhl., Tibicen, p. 495.
ochripes Curt., Chlamydatus, 1187.
ochroceras Stål, Rhyparochromus, 549.
ocreatus (Say), Dysdercus, 634.
8-lineata (Say), Gypona, 1897.
†*octolineata Uhl., Gypona,* 1898.
8-lineata Woodw., Gypona, 1904.
8-lineata var. *a,* Say, Tettigonia, 1898.
octo-notata Wlsh., Erythroneura, 2445*i*.
octopunctata Kirk., Pagaronia, 1882*b*.
oculata Van D., Agallia, 1763.
oculata Newm., Bruchomorpha, 2583.
oculata (Reut.), Collaria, 876.
oculatus O. & B., Deltocephalus, 2081.
oculatus (Fabr.), Gelastocoris, 1407.
oculea (Ball), Aligia, 1967.
odara Kirk., Notonecta, 1357*c*.
†*oenotherae Germ., Aphrophora,* 1560*h*.
oenotherae Scop., Cicada, 1560*g*.
oleosa (Dist.), Collaria, 878.
olitorius Say, Jassus, 2340.
olivacea Spångb., Gypona, 1903.
olivaceus Schr., Cimex, 1071.
olivaceus Reut., Lygus, 1026.
olympusa (Walk.), Tibicen, 1489.
omnivagus Kngt., Lygus, p. 822.
opaca (Say), Elidiptera, 2499.
opacula Uhl., Gargaphia, 656.
opacula (Zett.), Saldula, 1335.
opalinus Osb., Scaphoideus, 2000.
oppositus (Say), Leptoglossus, 248.
optatus Crmb., Phlepsius, 2238.
orba Stål, Gerris, 1284.
orbiculata Sign., Clastoptera, 1562.
orbiculata (Uhl.), Saldula, 1325.
orbicollis Uhl., Heraeus, 532.
orbitalis Fh., Evacanthus, 1884.
orbona Fabr., Cicada, 1846.
orbonatus Ball, Thamnotettix, 2303.
orbus Stål, Rhaphigaster, 178.
ordinatus Say, Coreus, 301.
ordinatus Ball, Deltocephalus, 2078.
oregona Davis, Okanagana, 1530½.
oregonensis Bak., Errhomenellus, 1889.
oregonensis Bak., Platymetopius, 2015.
orichalcea Dhlb., Cicadula, 2387½.
orientalis Kirk., Mesovelia, 814.
ornata Abb., Arctocorixa, 1444¼.
ornata Uhl., Closterocoris, 1099.
ornata Prov., Cyrtosia, 1686.
ornata (Bak.), Dicyphonia, 1960.
ornata (Gill.), Driotura, 2128.
ornata (Stål), Liburniella, 2758.
ornata Van D., Okanagana, 1512.
ornata Stål, Salda, 1316.
ornata Emns., Telamona, 1648.
ornaticollis (Stål), Platytylellus, 901.
ornatus Van D., Anthocoris, 856*a*.
ornatus Say, Aradus, 365.

ornatus Van D., Orthotylus, 1179¾.
ornatus (Reut.), Reuteroscopus, 1213.
ornatus Dall., Stiretrus, 207b.
orovila Ball, Neocoelidia, 2344½.
orozimbo Fairm., Physoplia, 1726.
orthocantha P.B., Pentatoma, 117.
osborni Van D., Balclutha, 2371.
osborni G. & B., Clastoptera, 1563.
osborni Van D., Deltocephalus, 2090.
osborni (DeL.), Erythroneura, 2444½.
osborni Ball, Eutettix, 2174.
osborni Van D., Liburnia, 2771.
osborni (Van D.), Rhytidolomia, 104.
osborni Ball, Scolops, 2467.
osborni Ball, Thamnotettix, 2254.
ostryae Kngt., Lygus, p. 822.
ottawanensis Ptch., Neotriozella, 2878.
ovalis Westw., Pentatoma, 102.
ovata O. & D., Acalypta, 637½.
ovata Ball, Dictyssa, 2607.
ovata O. & D., Fenestrella, 637¾.
ovatipennis (Walk.), Picumna, 2637.
ovatus (Stål), Abedus, 1402.
ovatus Van D., Cyrtolobus, 1668.
†*ovatus Bergr., Neuroctenus,* 409.
ovatus Van D., Orthotylus, 1175⅜.
ovatus Van D., Phlepsius, 2202.
ozarcensis Gibs., Euscelis, p. 826.

†*pabulinus Scop., Cimex,* 985.
pabulinus (Linn.), Lygus, 1014.
pacifica (Crawf.), Liburnia, 2770.
†*pacifica Kirk., Orthaea,* 547.
pacifica Van D., Stictocephala, 1588.
pacificus Barb., Ceraleptus, 331.
pacificus (Prov.), Gastrodes, 606.
pacificus (Uhl.), Thyrillus, 976.
packardi Stål, Banasa, 187.
padi Drke., Corythucha, p. 816.
paetus Ball, Bythoscopus, 1835*a*.
palaetus Van D., Stenocranus, 2704.
pallens Dall., Alydus, 317.
pallens Stål, Arma, 227.
pallens Stål, Geocoris, 500.
pallens Fall., Phytocoris, 840.
pallens Panz., Reduvius, 829.
pallescens Walk., Capsus, p. 420.
pallescens Germ., Cicada, 1543.
pallescens Reut., Nabis, 820.
pallescens Germ., Phylloscelis, 2485.
palliatus Perris, Capsus, 1207.
palliatus Prov., Darbanus, 771.
pallicornis Fabr., Acanthia, 1119.
pallicornis Reut., Phytocoris, 923.
§*pallida Woodw., Alebra,* 2380.
pallida (Fairm.), Archasia, 1663.
pallida Osb., Cicadula, 2363.
pallida (Van D.), Clidophelps, 1536*b*.
pallida O. & D., Corythucha, 638¼.
pallida (Say), Elidiptera, 2500.
pallida Gill., Empoasca, 2415.
pallida Bak., Neocoelidia, 2347.
pallida Van D., Ophiderma, 1705.
pallida Ptch., Pachypsylla, 2892.
pallida Osb., Stobaera, 2753.
pallida Dist., Tibicen, 1492.
pallidicornis Stål, Aradus, 389.
pallidicornis H.S., Capsus, 1119.
pallidicornis Stål, Narnia, 255.
†*pallidicornis Prov., Phytocoris,* 952.
pallidicornis Reut., Phytocoris, 923.
†*pallidicornis Van D., Phytocoris,* 922.
pallidicornis Reut., Trigonotylus, 892.
pallidifrontis (Ems.), Cyrtolobus, 1682.
pallidipennis (Stål), Leioscyta, 1738.
pallidipes Stål, Bruchomorpha, 2584.
pallido-virens (Stål), Thyanta, 159.
pallidula Wlsh., Typhlocyba, 2380.
pallidulus Montd., Ambrysus, 1369*a*.
pallidulus Reut., Lasiochilus, 844.
pallidulus McAt., Paracalocoris, p. 820.
pallidulus Osb., Thamnotettix, 2313.
pallidus Curt., Acucephalus, 1933.
pallidus Zimm., Amnestus, 69.
pallidus (Uhl.), Antillocoris, 579.
pallidus Reut., Brachysteles, 866.
pallidus (Rossi), Cimex, 840.
pallidus Bak., Corizus, 345*f*.
pallidus Fh., Idiocerus, 1778.
pallidus Westw., Macrocephalus, 695.
pallidus Van D., Phlepsus, 2222.
pallidus (Zett.), Philaenus, 1560*h*.
pallidus Uhl., Scolops, 2472.
pallidus Osb., Tinobregmus, 2355.
palliolata (Ball), Mesamia, 1976.
pallipes Jak., Agalliastes, 1258.
†*pallipes Kirk., Anisops,* 1362.
†*pallipes Heid., Calisius,* 398.
pallipes Van D., Horcias, 1000*f*.
†*pallipes Leth., Notonecta,* 1352.
pallipes Stål, Pagasa, 815.
pallipes Dist., Perithous, 1072.
pallipes Van D., Pissonotus, 2728.
pallipes Uhl., Plagiognathus, p. 412.
pallipes Burm., Polyglypta, 1715.
pallipes (Fabr.), Saldula, 1332.
palmeri (Uhl.), Adelphocoris, 968.
palmeri Van D., Ceresa, 1578.
palmeri Reut., Neoborus, 1041*a*.
palmeri (Van D.), Nionia, 1946.
palmeri Reut., Phytocoris, 941.
paludemaris Barb., Peritrechus, 586.
paludosus Ball, Deltocephalus, 2092.
pangaeiformis Sign., Homaloporus, 47.
panimae Fowl., Acanalonia, 2647.
pannosus Ball, Eutettix, 2192.
panzeri Duf., Corizus, 345.
par McAt., Paracalocoris, p. 820.
parallela (Say), Aphrophora, 1548.
parallela (Crawf.), Psyllia, 2916.
parallelogramma Stål, Cryphula, 608.
paralellus (Van D.), Euscelis, 2133.
parallelus H.S., Largus, 621.
parilis Walk., Acthus, 60.
parisiensis A. & S., Xylocoris, 840.

parnisus Dall., Rhaphigaster, 179.
parshleyi Abb., Arctocorixa, 1444½.
parshleyi Kngt., Lygus, p. 822.
parva (Godg.), Micrutalis, 1607.
parva Handl., Phymata, 689*f*.
parvicornis Sign., Corizus, 354.
parvula Say Cicada, 1543.
parvula Ball, Kelisia, 2709.
parvulus Gill., Deltocephalus, 2074.
parvulus H.S., Dysodius, 407.
parvulus Sign., Geotomus, 63.
parvulus (Germ.), Homaemus, 16.
parvulus Van D., Podops, 75.
parvulus Dall., Rhyparochromus, 547.
parvus Lthr., Platymetopius, 2020½.
pasadena Ball, Uhleriella, 1963½.
pasadena Ball, Thamnotettix, 2268.
pascuellus (Fall.), Deltocephalus, 2073.
pastinacae Fall., Lygaeus, 1036.
patruelis Stål, Ceresa, 1569.
patulifrons Walk., Issus, 2632.
patulus Walk., Prionotus, 796.
paulus McAtee, Geocoris, 498*a*.
pauperata Mlch., Ormenis, 2654.
pauperata Spångb., Gypona 1918.
pauperculus (Ball), Eutettix, 2176.
paykulli Turt., Cimex, 969.
peckhami (Ashm.), Galeatus, 651.
pectennata Abb., Arctocorixa, 1445.
pectinatus O. & B., Deltocephalus, 2045.
pectoralis Stål, Camptopus, 317.
pectoralis Emns., Gargara, 1598.
pectoralis Spångb., Gypona, 1917.
pectoralis (Say), Pygolampis, 724.
pellicia Uhl., Cylloceps, 1268.
pellita (Uhl.), Saldula, 1337.
pellucens Fabr., Acanthia, 1320.
pellucens Boh., Caspus, p. 824.
pellucens Fowl., Oecleus, 2559.
pellucida Uhl., Diaphnidia, 1166.
pellucida (Fabr.), Liburnia, 2766.
pellucidus Goeze, Cimex, 1332.
pellucidus Garb., Orthotylus, 1267.
pellucidus Ball, Scaphoideus, 2004.
peltata Uhl., Parapholis, 1930.
pendula Van D., Paraproba, 1163.
pennsylvaniae Westw., Pentatoma, 143.
pennsylvanica Handl., Phymata, 689*b*.
pennsylvanicum (De Geer), Acrosternum, 179.
pennsylvanicus Sign., Geotomus, 62.
†*pennsylvanicus Fh., Rhaphigaster,* 181.
pentagona Ball, Neocoelidia, 2351½.
perclavatus Van D., Jalysus, 423.
percultus Dist., Heraeus, 534.
percursus McAt., Paracalocoris, p. 820.
perdita (A. & S.), Microcentrus, 1748.
perditor (Fabr.), Thyanta, 157.
perdix Uhl., Scolops, 2470.
?peregrinans O. & B., Agallia, 1773.
peregrinans Stål, Agallia, 1774.
?peregrinus Kirk., Zelus, 773.
perelegantis Ball, Eutettix, 2184.
perennis Fh., Nabis, p. 282.
perfida Stål, Madura, 286.
pergandei Heid., Corythucha, 640.
pergandei Gill., Empoasca, 2404.
pergandii Reut., Cardiastethus, 868.
periplanios Kirk., Orthaea, 547.
permutata Uhl., Aphrophora, 1550.
permutata Uhl., Dictyobia, 2619.
permutata Van D., Enchenopa, 1736.
perplexus G. & B., Idiocerus, 1780.
perpunctata A. & S., Hymenarcys, 143.
perpunctata Van D., Thamnotettix, 2314.
perpunctatus Dall., Harmostes, 335.
†*perpunctatus Uhl., Triphleps,* 864.
perrisii Duf., Aradus, 391.
perrisii M. & R., Capsus, 1244.
perseae Heid., Acysta, 680.
persignandus (Dist.), Platytylellus, 907.
persimilis Van D., Aradus, 368½.
persimilis Horv., Chlorochroa, 106.
personatus Bak., Phlepsius, 2196.
personatus (Linn.), Reduvius, 733.
personatus Germ., Stiretrus, 207*c*.
perspicillatus O. & B., Thamnotettix, 2284.
peruvianus (Guer.), Dysdercus, 631.
petiolata Say, Myodocha, 526.
pettiti (Reut.), Neoborus, 1044.
phorodendronae (Van D.), Klopicoris, 1057.
phyllopus (Linn.), Leptoglossus, 244.
phyllosomus (Burm.), Meccus, 735.
phymatophora (P.B.), Alcaeorrhynchus, 209.
†*phymatophora Stål, Mutyca,* 210.
pia A. & S., Emesa, 709.
piceatus Stål, Pangaeus, 60.
piceola Kshb., Delphax, 2766.
piceus (Say), Isthmocoris, 507.
piceus Van D., Megamelus, 2718.
piceus (Dall.), Peribalus, 96.
piceus Spnr., Pissonotus, 2736.
piceus Van D., Scolops, 2483.
picicollis Van D., Parthenicus, 1199½.
picicolor Westw., Acanthosoma, 203.
picinus Uhl., Melanaethus, 62.
picipes (H.S.), Melanolestes, 745.
picta Zett., Aphalara, 2825.
picta Uhl., Bolteria, 1246.
picta Prov., Carynota, 1614.
picta Van D., Catonia, 2510.
picta Uhl., Hadronema, 1156.
picta Uhl., Hesperolabops, 1086.
picta Prov., Penthimia, 1894.
picta (Drury), Phthia, 258.
picta Walk., Tettigonia, 1864.
picta Walk., Umbonia, 1726.
picticeps Curt., Miris, 879.

pictifrons Stål, Myndus, 2565.
pictipes H.S., Apiomerus, 767.
pictipes Stål, Corizus, 346*a*.
pictipes Champ., Diaditus, 732.
pictipes Champ., Dichocysta, 670.
†*pictipes Montd., Geocoris*, 498.
pictipes Champ., Zelus, 769.
pictiventris Stål, Mormidea, 112.
picturata Uhl., Ozophora, 571.
†*picturata Uhl., Salacia*, 579.
picturatus Uhl., Dycoderus, 565.
picturatus Osb., Scaphoideus, 1980.
pictus Horv., Corizus, 345*b*.
pictus Osb., Deltocephalus, 2042.
pictus Fieb., Lyctocoris, 840.
pictus Van D., Eutettix, 2167.
pictus (H.S.), Trepobates, 1296.
†*pilicornis Uhl., Dasycoris*, 333.
pilicornis H.S., Tingis, p. 815.
piligera Stål, Plociomera, 540.
pilipes Dall., Pentatoma, 98.
pilosellus (Horv.), Cimex, 837.
pilosulus H.S., Alydus, 327.
pilosulus (Stål), Antillocoris, 578.
pilosulus (Uhl.), Psallus, 1219.
†*pilosulus Van D., Salacia*, 579.
pilosus Hahn, Capsus, p. 825.
pima Kirk., Oliarus, 2539.
pini Fh., Cixius, 2548.
pini Fh., Clastoptera, 1566*c*.
pini Montd., Dendrocoris, 198.
pinicola Crawf., Aphalara, 2820.
pinicola Kirk., Calocoris, 987.
pinorum Mne., Helicoptera, 2499.
†*pipistrelli Chitt., Cimex*, 837.
pithecolobia Crawf., Aphalaroida, 2832.
placidus (Prov.), Acucephalus, 1937.
placidus Uhl., Podisus, 230.
placidus Osb., Thamnotettix, 2319.
placitus Van D., Oliarus, 2529.
plagiata (Reut.), Neoborus, 1041*b*.
plagiata Fieb., Notonecta, 1357.
plagiata Walk., Proconia, 1846.
plagiatus Uhl., Lygus, 1035.
plagifer (Reut.), Xenoborus, 1047.
plana Heid., Leptodictya, 662.
planicornis Pall., Cimex, p. 823.
planifrons (Kby.), Arctocorixa, 1446.
†*platycnemis Uhl., Anisops*, 1362.
platycnemis (Fieb.), Buenoa, 1363.
platyrhynchus Osb., Dorycephalus, 1947.
plebejus Stål, Heraeus, 528.
plenus Dist., Rhyparochromus, p. 813.
plexa (Say), Physatocheila, 665.
plicaticollis Lucas, Pentatoma, 178*a*.
plumbea Uhl., Rhagovelia, 1312.
†*pluto Prov., Alydus*, 323.
pluto Uhl., Alydus, 322.
pluto Uhl., Cochlorhinus, 1961.
†*plutonius Prov., Athysanus*, 2138.
plutonius Bak., Corizus, 345*i*.
plutonius Uhl., Jassus, 2144.
podopioides Uhl., Prionosoma, 156.
poeyi (Guer.), Brochymena, 83.
poeyi Guer., Naucoris, 1366.
†*poeyi Uhl., Naucoris*, 1368.
politus Sign., Aethus, 54.
†*politus Prov., Aneurus*, 413.
politus Say, Aneurus, 412.
politus Uhl., Euschistus, 124.
politus (Uhl.), Ioscytus, 1344.
politus Reut., Phytocoris, 955.
politus Uhl., Plagiognathus, 1241.
pollinosa Fowl., Aulacizes, 1852.
polygoni Fstr., Aphalara, 2815.
polygrapha Uhl., Corythucha, 649.
polystolus Scott, Acucephalus, 1936.
pomonae Aulm., Trioza, 2870.
ponderosa Stål, Strachia, 176*c*.
porosus (Germ.), Camirus, 6.
porphyrea Fairm., Carynota, 1614.
porrecta Walk., Aconophora, 1728*a*.
porrecta Buckt., Enchenopa, 1735.
porrectus Geoff., Cimex, 879.
postfasciata A. & S., Ceresa, 1570.
potoria Ball, Cicadula, 2369.
praealta Fowl., Telamona, 1650.
praecinctus Gmel., Cimex, 779.
praecipua Walk., Anisoscelis, 250.
praecox Van D., Lamenia, 2675.
praecultus Dist., Ischnodemus, 491.
praetermissa Bergr., Doldina, 793.
praeusta (Fieb.), Callicorixa, 1416.
†*prasinus Reut., Allorhinocoris*, 965.
†*prasina D. & S., Litosoma*, 1172.
prasinus Reut., Lygus, 1024*a*.
prasinus Dall., Rhaphigaster, 178.
prasina Walk., Tettigonia, 1879.
pratensis (Linn.), Lygus, 1031.
prehensilis (Fabr.), Macrocephalus, 695.
princeps Uhl., Hadronema, 1155.
proboscideus Walk., Aradus, 392.
producta Van D., Catonia, 2523.
†*producta Van D., Diedrocephala*, 1875.
producta (Walk.), Draeculacephala, 1872.
producta (Van D.), Fokkeria, 21.
producta Barb., Orsillacis, 475.
producta Uhl., Orsillacis, 461.
producta Van D., Thionia, 2636.
productilis Barb., Ghilianella, 711.
productus (Walk.), Deltocephalus, 2032.
productus G. & B., Idiocerus, 1790.
productus Uhl., Limnotrechus, 1287.
productus Osb., Scaphoideus, 1991.
projecta (Butl.), Heliria, 1624.
prolixa Fowl., Tettigonia, 1862.
pronoe (Walk.), Fidicina, 1505.
propinqua Westw., Pentatoma, 178*a*.
†*propinquus Prov., Coriscus*, 818.
propinquus Crawf., Euphalerus, 2901.
propinquus Dist., Harmostes, 341.
propinquus Reut., Nabis, 825.
prosopis Crawf., Aphalaroida, 2834.

protensa Montd., Ranatra, 1385.
protensa Fstr., Trioza, 2862.
proteus Fh., Clastoptera, 1566.
†*proteus Prov., Clastoptera,* 1562*c*.
proteus Stål, Homaemus, 17.
protracta (Uhl.), Triatoma, 740.
provancheri (Burque), Diaphnidia, 1167.
provancheri Van D., Idiocerus, 1801.
†*providus Bak., Nysius,* 466.
†*providus Uhl., Nysius,* 461.
proxima (Walk.), Ormenis, 2661.
proxima Westw., Pentatoma, 178*a*.
proxima Crawf., Rhinopsylla, 2847*a*.
proxima (Dall.), Runibia, 177.
proximus Sign., Corizus, 346*a*.
pruinosa Spångb., Gypona, 1900.
pruinosa (Say), Ormenis, 2649.
pruinosa Ball, Telamona, 1642.
pruinosa (Say), Tibicen, 1474.
pruni O. & D., Corythucha, 640¼.
pruni (Prov.), Oncopsis, 1829.
†*psalliodes Prov., Parthenicus,* 1184.
psalliodes Reut., Parthenicus, 1198.
psammobius Garb., Trapezonotus, 589.
pseudo-chinche Fh., Anthocoris, 864.
pseudoheraeus Barb., Ligyrocoris, 533.
pseudonymus Bergr., Neuroctenus, 409.
psittacella Fowl., Tettigonia, 1860.
psylloides Leth., Delphax, 2738.
†*pteridis Uhl., Bryocoris,* 1140.
pteridis Dhlb., Typhlocyba, 2437.
puberula Stål, Ptochiomera, 564.
puberulus Montd., Psallus, 1243.
puberus Uhl., Oncotylus, 1209.
pubescens (Walk.), Aphleboderrhis, 401.
pubescens Crawf., Arytaina, 2912.
pubescens Reut., Lygus, 1031.
pubescens Emns., Ophiderma, 1701.
pubescens (Reut.), Sthenarus, 1221.
pudicus Stål, Ambrysus, 1370.
puella Van D., Liburnia, 2768.
puella Reut., Phytocoris, 951.
pugnax (Fabr.), Solubea, 117.
pulchella Crawf., Aphalara, 2824.
pulchella G. & B., Empoasca, 2410.
†*pulchella Bueno, Microvelia,* 1303.
pulchella Ball, Neocoelidia, 2350.
pulchella Crawf., Paratrioza, 2852.
pulchella (Ball), Telamonanthe, 1659.
pulchellus Montd., Ambrysus, 1369.
pulchellus Bak., Eutettix, 2189.
†*pulchellus Prov., Oncotylus,* 1172.
pulchellus Heid., Isometopus, 1274.
pulchellus Westw., Pentatoma, 207.
pulcher Stål, Galgulus, 1407.
pulcher (Stål), Hyalymenus, 319.
pulcher Reut., Trigonotylus, 891.
pulchripennis Bak., Phlepsius, 2209.
pulicarius (Fall.), Chlamydatus, 1258.
pulicarius (Germ.), Thyreocoris, 37.
pulicarius Van D., Xestocephalus, 1940.
pullatus Dist., Camirus, 6.
pullatus Ball, Eutettix, 2183.
pullatus Van D., Orthotylus, 1179¼.
pulverulenta Curt., Aphrodes, 1933.
pulverulenta Uhl., Hadrodema, 1037.
pulverulentus H.S., Anisoscelis, 258.
purverulentus Walk., Largus, 619.
pumila (Van D.), Acanalonia, 2640.
pumila Van D., Catonia, 2512.
pumila Van D., Liburnia, p. 780.
pumilus (Uhl.), Ceratocapsus, 1139.
punctata (Thmb.), Balclutha, 2370.
punctata Van D., Brochymena, 90.
†*punctata Mlch., Cyarda,* 2664.
punctata Fieb., Notonecta, 1352*a*.
punctatissimus Voll., Coenus, 139.
punctatissimus Sign., Geotomus, 65.
punctato-nervosus Goeze, Cimex, 345.
punctatus (Dist.), Antillocoris, 580.
punctatus Sign., Corizius, 351.
punctatus (O. & B.), Deltocephalus, 2099.
punctatus (Walk.), Flatoides, 2666.
punctatus Zett., Lygus, 1031.
punctatus Costa, Nabis, 829*a*.
punctatus Prov., Rhyparochromus, 489.
punctellus (Stål), Sphyrocoris, 13.
puncticollis Stål, Ambrysus, 1376.
puncticollis Spångb., Gypona, 1920.
puncticollis Fall., Phytocoris, 476.
punctifer (Walk.), Mormidea, 115.
punctiferum Walk., Hysteropterum, 2599.
punctifrons (Fall.), Cicadula, 2356.
punctifrons (Van D.), Macropsis, 1805.
†*punctipennis Thom., Nysius,* 468.
punctipennis H.S., Podisus, 222.
punctipennis Dall., Rhopalus, 348.
punctipes H.S., Capsus, 1267.
punctipes Zett., Cicada, 2073.
punctipes (Say), Geocoris, 498.
punctipes Reut., Nabis, 830.
punctipes Reut., Oncotylus, 1208.
punctipes P.B., Pentatoma, 111.
punctipes Say, Pentatoma, 111, 126.
punctiscriptus Van D., Phlepsius, 2235.
punctiscuta G. & B., Thamnotettix, 2292.
†*punctiventris Stål, Corizus,* 349.
punctiventris Stål, Hypselonotus, 309.
punctiventris Dall., Rhopalus, 345.
punctiventris Van D., Thyanta, 164.
†*punctulata Prov., Trichia,* 1044.
punctulatus (P.B.), Proxys, 138.
punctulatus Westw., Rhaphigaster, 191.
punctulatus (Reut.), Tiryus, 1135.
pungens Germ., Flata, 2466.
†*pungens Stål, Opiscoetus,* 733.

pungens Lec., Reduvius, 745.
punicus Linn., Cimex, 220.
pupillata H. S., Halys, 85.
pura Gibs., Corythucha, p. 816.
pura (Stål), Empoasca, 2411.
purcis (Drury), Hammacerus, 754.
purpuripenne Blanch., Pentatoma, 191.
purpuripennis Hahn, Pentatoma, 191.
pusilla Van D., Micracanthia, 1343.
pusillum (Uhl.), Cimatlan, 1053.
pusillus Uhl., Amnestus, 68.
†*pusillus Burm., Hebrus,* 810.
pusillus Van D., Myndus, 2573.
pusillus Bak., Phlepsius, 2225.
pusillus Reut., Poeciloscytus, p. 332.
pusio (Stål), Lygaeus, 449.
pusio Heid., Nannium, 403.
pustulata P.B., Pentatoma, 129.
putnami (Osb.), Neoslossonia, 1949.
putnami (Uhl.), Platypedia, 1537.
pygmaea Fieb., Corixa, 1468.
pygmaeus (Zett.), Cyrtorhinus, p. 824.
pyramidata Uhl., Telamona, 1629.
†*pyramidoides Smith, Thelia,* 1621.
†*pyri Curt., Psylla,* 2922.
pyricola (Fstr.), Psyllia, 2922.
pyrifoliae Frbs., Trioza, 2869½.
pyrioides Scott, Stephanitis, 652.
†*pyrisuga Brnd., Psylla,* 2922.
pyrops (Crmb.), Platymetopius, 2010.
pyrrhocerus (H.S.), Euschistus, 125*a*.
pyrrhopterus Stål, Lygaeus, 444.
pyrrhotelus Walk., Tettigonia, 1847.

quadrangularis (Say), Lepyronia, 1555.
quadrata Walk., Poeciloptera, 2643.
quadricornis Prov., Diraphia, 2944.
4-lineata Frbs., Cicadula, 2362.
4-lineata Mlch., Flata, 2528.
4-lineata Germ., Hoplophora, 1728*a*.
4-lineata (Fh.), Psyllia, 2924.
quadrilineatus Say, Aradus, 361.
4-lineatus Van D., Oecleus, 2563.
4-maculata Godg., Platycotis, 1728*a*.
quadrimaculatus Guer., Pycnoderes, 1078.
quadrinotata Say, Aphrophora, 1546.
4-notata Prov., Brochymena, 84.
quadri-notata Spngb., Gypona, 1921.
†*quadrinotata Uhl., Ranatra,* 1383.
4-punctata Prov., Agallia, 1764.
4-punctata Fh., Cicadula, 2312.
4-punctata Ball, Huleria, 1965.
4-punctata Crawf., Trioza, 2860.
4-pustulata (Fabr.), Brochymena, 85.
†*quadripustulata H.S., Brochymena,* 84.
4-pustulata Van D., Stobaera, 2755.
quadristriata Barb., Sphaerobius, 532.
quadrivittata (Say), Platycotis, 1728*a*.
quadrivittata Say, Tettigonia, 1864.
quadrivittatus Say, Capsus, 1004.
†*quebecensis Prov., Gypona,* 1898.
quebecensis (Prov.), Gypona, 1899.
quebecensis Prov., Tetrarhinus, 312.
quercalba Kngt., Lygus, p. 822.
querci (Fh.), Cyrtolobus, 1692.
querci Fh., Empoa, 2430.
querci G. & B., Eutettix, 2164.
querci Fh., Telamona, 1644.
quercus Walk., Telamona, 1644.
5-lineatus (Say), Oliarus, 2528.
5-maculata Bak., Eupteryx, 2426.
5-spinosus (Say), Megalotomus, 320.
quisquilius DeG., Cimex, 733.

radiata Gill., Empoasca, 2412.
radicis Osb., Myndus, 2575.
raleighi Bueno, Notonecta, 1354.
ramentosa Ball, Dicyphonia, 1959.
ramentosus (Uhl.), Idiocerus, 1796.
ramona Ball, Neocoelidia, 2345½.
ramosa Kirk., Gypona, 1902.
ramosus (Bak.), Phlepsius, 2247.
ramosus Uhl., Phytocoris, 945.
raphanus Howd., Nysius, 470.
rapidus (Say), Adelphocoris, 966.
raptatorius Say, Reduvius, 800.
raptor Kby., Chiroleptes, 526.
raptoria Stål, Sinea, 805.
†*raptorius Walk., Mononyx,* 1410.
rastratus (Stål), Thyreocoris, 28½.
reaumurii Kby., Otiocerus, 2694.
reclivata Fh., Telamona, 1635.
reclivatus Say, Lygaeus, 436.
recticornis Gmel., Cimex, 879.
rectus Say, Aradus, 386.
recurvatus H.S., Alydus, 317.
redacta Fowl., Tettigonia, 1865.
redimitis Uhl., Lygus, 1031.
reducta Walk., Entylia, 1716*b*.
reducta Ball, Orgamara, 2491.
reductus Walk., Plociomerus, 547.
reductus Ball, Scaphoideus, 2006*a*.
regalis Kngt., Clivinema, 1087½.
regalis Uhl., Macrotylus, 1205.
regalis (Uhl.), Pseudoxenetus, 1159.
reflexulus (Say), Harmostes, 336.
reflexus O. & B., Deltocephalus, 2044.
reineckei Van D., Cyrpoptus, 2457.
relativus (G. & B.), Euscelis, 2136.
relicta (Fabr.), Ormenis, 2659.
remigis Say, Gerris, 1283.
remotus Horv., Carpocoris, 110.
renardii Kol., Zelus, 773.
renormatus (Uhl.), Thyreocoris, 40.
reperta Uhl., Cicada, 1495.
reperta (Uhl.), Saldula, 1330.
repertus Uhl., Oncotylus, 1211.
repetita Heid., Anasa, 304.
repetitus Uhl., Macroporus, 45.
repleta Fieb., Cicadula, 2356*a*.
repletus Uhl., Apiomerus, 763.
repletus Uhl., Lygus, p. 348.
†*resedae Uhl., Cymus,* 477.

resedae (Panz.), Ischnorrhynchus, 476.
resh (Hald.), Tibicen, 1487.
residuus Van D., Horcias, 1000*g*.
resonans (Walk.), Tibicen, 1488.
reticeps (Prov.), Psyllia, 2943.
reticulata Guer., Arctocorixa, 1447.
reticulata (Sign.), Draeculacephala, 1881.
reticulata Stål, Hymenarcys, 141.
reticulata (Mlch.), Misodema, 2602.
reticulata Ball, Neocoelidia, 2346.
reticulata Bak., Ploiariopsis, 707.
reticulata Van D., Publilia, 1720.
reticulata Ball, Scolopsella, 2452.
reticulata Hald. Zaitha, 1401.
reticulatus Barb., Dendrocoris, 196.
reticulatus Van D., Tylocentrus, 1750.
retrorsus Uhl., Deltocephalus, 2065.
§*retroversus Uhl., Deltocephalus*, 2065.
reuteri White, Dolichomerus, 843.
reuteri Van D., Phytocoris, 946.
reversalis (O. & B.), Macropsis, 1806.
reverta Uhl., Gypona, 1955.
rhododendri Horv., Stephanitis, 653.
rhodomelas (H.S.), Oplomus, 211*b*.
†*rhois Glvr., Psylla*, 2844.
rhyparus Stål, Orgerius, 2486.
ribesiae (Crawf.), Arytaina, 2905.
ribis (Ptch.), Psyllia, 2926.
ricanoides (Spin.), Carthaea, 2648.
rileyi Bak., Phelspius, 2239.
rileyi Bergr., Rheumatobates, 1297.
rileyi Montd., Sinea, 808.
rileyi (Godg.), Telamonanthe, 1658.
rimosa (Say), Okanagana, 1518.
†*riparia D. & S., Salda*, 1336.
riparius Scop., Cimex, 879.
rivularis Germ., Jassus, 1935.
robertsoni Fh., Anotia, 2686.
robertsoni Fh., Cicada, 1487.
robertsoni (Fh.), Fitchiella, 2580.
robertsoni Uhl., Pangaeus, 58.
robiniae (Uhl.), Lopidea, 1149.
robinae Fh., Thelia, 1618.
robusta (Bak.), Aconura, 2118.
robusta Crawf., Arytaina, 2902.
robusta O. & B., Driotura, 2127.
robusta Gill., Empoasca, 2413.
robusta (Uhl.), Gerris, 1286.
robusta Uhl., Hadronema, 1154.
robusta Uhl., Microvelia, 1306.
robusta Walk., Poeciloptera, 2643.
robusta Uhl., Tetyra, 2.
robustus Uhl., Apocremnus, 1243.
†*robustus Prov., Aradus*, 361.
robustus Uhl., Aradus, 362.
robustus (Uhl.), Bythoscopus, 1837.
robustus Uhl., Camptobrochys, 1062.
robustus (Uhl.), Geotomus, 61.
robustus Reut., Platytylellus, 903.
robustus Uhl., Scolops, 2478.
robustus (Uhl.), Strongylocoris, 1126.
rohweri Ckl., Pachypsylla, 2888.
†*rolandri Retz., Cimex*, 986.
†*roripes Uhl., Coriscus*, 819.
rosacea Reut., Lygidea, 1010*b*.
rosaceus Van D., Poeciloscytus, 1229.
rosae (Linn.), Empoa, 2437.
rosae Harr., Tettigonia, 2437.
rosea Burm., Hynnis, 2689.
†*rosea Kshb., Typhlocyba*, 2436.
rosea Prov., Typhlocyba, 2370.
roseipennis Reut., Nabis, 830.
roseus Bak., Corizus, 348*a*.
roseus Van D., Gerhardiella, 1229.
roseus (Uhl.), Phytocoris, 944.
rotulata Van D., Pelitropis, 2579.
rotundata (Crawf.), Liburnia, 2801.
rotundata Stål, Stictocephala, 1593.
rotundifrons Davis, Okanagana, 1512½.
rotundipennis Crawf., Trioza, 2861.
rubecula Goeze, Cimex, 1031.
rubecula (Uhl.), Lygidea, 1010.
rubella Van D., Catonia, 2519.
rubellus Uhl., Miris, 883.
rubens Harr., Cimex, 1071.
ruber (Linn.), Deraeocoris, 1071.
ruber Reut., Oncerometopus, 915.
rubescens Mlch, Amphiscepa, 2639*a*.
rubescens Stål, Lygaeus, 452.
rubi Wlsh., Psylla, 2867.
rubi Hdy., Typhlocyba, 2435.
rubicollis (Uhl.), Lygaeus, 457.
rubicunda Uhl., Megaloceroea, 887.
rubicundus (Fall.), Lygus, 1037.
rubida (Uhl.), Europiella, 1256.
rubida Popp., Gerhardiella, 1229.
rubida (Uhl.), Largidea, 1088.
rubida (Uhl.), Triatoma, 739.
rubidus Ball, Eutettix, 2192½.
rubidus Kngt., Lygus, p. 821.
rubidus McAt., Paracalocoris, p. 820.
?rubiginosus Dall., Euschistus, 157.
rubiginosus H.S., Archimerus, 271.
rubra (Gill.), Erythroneura, 2445*f*.
†*rubra Fowl., Monecphora*, 1545.
rubricans (Prov.), Microphylellus, 1226.
rubricata Van D., Erythroneura, 2451.
rubricatus Reut., Corizus, 343*e*.
†*rubricatus Hahn, Lygus*, 1037.
rubricollis Banks, Lygaeus, 457.
rubriger Stål, Lygaeus, 455.
rubrinervis (Stål), Creontiades, 960.
rubrivittata Walk., Aconophora, 1728.
rubro-acuminatus Goeze, Cimex, 1071.
rubrocinctus DeG., Cimex, 617.
rubroclarus Kngt., Lygus, p. 821.
rubrofusca P.B., Pentatoma, 127.
rubrolimbata A. & S., Herega, 764.
rubromarginatus Kouch., Cimex, 108.
rubronotatus Prov., Rhopalotomus, 995.
rubropictus Voll., Oplomus, 211*a*.

rubroscuta (Gill.), Erythroneura, 2444.
rubrovenosa Davis, Okanagana, 1514.
§*rubrovitta Snow, Stictocephala,* 1592*a*.
rubrovittatus (Stål), Platytylellus, 910.
rudis Dist., Cicada, 1496.
rudis Uhl., Reduviolus, 830.
rudis (Walk.), Tibicen, 1472.
rufa (Gill.), Aconura, 2122*a*.
rufescens Barb., Alydus, 326.
rufescens Gmel., Cimex, 1071.
rufescens Osb., Thamnotettix, 2279.
ruficeps Duf., Belostoma, 1387, 1392.
ruficollis Fall., Phytocoris, p. 419.
†*ruficornis Hahn, Miris,* 885.
ruficornis (Geoff.), Trigonotylus, 890.
rufifascia (Walk), Ormenis, 2662.
rufipedis Fh., Blissus, 496.
†*rufipennis Uhl., Dichrooscytus,* 996.
rufipennis Duf., Xylocoris, 851.
rufipes Van D., Ischnodemus, 490.
rufipes Stål, Trapezonotus, 590.
rufiventris Walk., Aulacizes, 1851.
rufivitta (Walk.), Stictocephala, 1592*a*.
rufivittatus Ball, Megamelanus, 2714.
rufocinctus H.S., Cimex, 108.
rufoculis Kby., Lygaeus, 358.
rufofasciata (DeG.), Triatoma, 742.
†*rufopictus Barb., Chlorocoris,* 168.
rufoscriptus Van D., Phytocoris, 950.
rufoscutellatus (Bak.), Bythoscopus, 1839.
rufoscutellatus Latr., Limnoporus, 1291.
rufoscutellatus (Gray), Paryphes, 311.
rufula Gill., Dicraneura, 2387*a*.
rufula Fstr., Psylla, 2923¼.
rufus G. & B., Idiocerus, 1784.
rufus Van D., Phytocoris, 957.
rufusculus Reut., Nabis, 831.
rugator Fabr., Coreus, 301.
rugicollis Ball, Chlorotettix, 2328.
rugicollis Reut., Triphleps, 864.
rugifrons Uhl., Pangaeus, 57.
rugipennis Crawf., Euphalerus, 2899.
rugosa (Ball), Aphelonema, 2592.
rugosa Spångb., Gypona, 1896.
rugosa Fieb., Notonecta, 1357.
rugosus Curt., Acucephalus, 1933.
rugosus Buckt., Campylocentrus, 1752.
rogusus A. & S., Merocoris, 236.
rugulosa (Say), Thyanta, 163.
rumicis Mly., Aphalara, 2816.
rumicis Boh., Psylla, 2814.
rupinatus Ball, Thamnotettix, 2271.
rustica Fabr., Cercopis, 1933.
rusticus (Fall.), Stignocoris, 588.
rutilans Horv., Lygus, 1031.
sabulosus Foure., Cimex, 345.
sacchari (Fabr.), Teleonemia, 673.
saccharivorus (Wstw.), Stenocranus, 2705.
sagitta (Fabr.), Podisus, 231.
sagittata Germ., Membracis, 1728.
saint-cyri Prov., Clastoptera, 1566.
saint-cyri Prov., Nysius, 468.
salamandra Fairm., Ophiderma, 1700.
salamandra (Burm.), Oplomus, 212*d*.
saldaeformis Uhl., Peritropis, 1094.
saliceti (Fstr.), Psyllia, 2923¼.
salicicola Fstr., Psylla, 2923¼.
salicis O. & D., Corythucha, p. 815.
salicis Ckl., Phymata, 689*g*.
salicis D. & S., Psallus, 1244.
salicis Mlly., Trioza, 2870.
saliens Wolff, Capsus, 1258.
saliens (Reut.), Criocoris, 1223.
salina Ball, Kelisia, 2708.
sallei Stål, Lygus, 1027.
sallei Fallou, Stenomacra, 622.
salsura Ball, Lonatura, 2110.
saltator Heid., Glyptocombus, 1280.
saltator (Hahn), Orthocephalus, 1189.
saltatoria (Linn.), Saldula, 1341.
saltatorius Fabr., Lygaeus, 986.
†*saltatorius Panz., Lygaeus,* 1332.
saltatrix Prov., Livia, 2812.
salvini Dist., Ischnorrhynchus, 479.
sanctus (Say), Scaphoideus, 1980.
†*sanctus Van D., Scaphoideus,* 1981.
sandarachatus (Say), Oncopeltus, 431.
sandersi Osb., Deltocephalus, 2041.
sandersi White, Nabis, 828.
sanguinarius Uhl., Coccobaphes, 1009.
sanguinea (G. & B.), Dikraneura, 2390.
sanguinea Prov., Diraphia, 2945.
§*sanguinea Aulm., Trioza,* p. 797.
sanguineus (Costa), Corizus, 343*a*.
sanguinolenta (Prov.), Agallia, 1767.
sanguinolenta Spångb., Gypona, 1925.
sanguinolenta (Fabr.), Jadera, 358.
sanguinolentus Van D., Oncopeltus, 429.
sanguino-apicalis Godg., Stictocephala, 1587.
sanguinosa Fstr., Trioza, 2864.
sanguinosa Rly., Trioza, p. 797.
sanguisuga Stål, Sinea, 806.
sanguisuga (Lec.), Triatoma, 738.
saratogensis (Fh.), Aphrophora, 1551.
sareptanus Jak., Stenotus, 969.
sarpinus Dall., Rhaphigaster, 181.
satur Ball, Deltocephalus, 2094.
saucia Van D., Ormenis, 2652.
saucia (Say), Rhytidolomia, 101.
saucius Ball, Eutettix, 2188.
saundersi D. & S., Teratocoris, 898.
saxatilis Van D., Amycle, 2454.
†*saxeus Uhl., Neoborus,* 1041.

sayi Ball, Anotia, 2687.
sayi Reut., Camptobrochys, 1067.
sayi Stål, Chlorochroa, 109.
sayi (Fh.), Deltocephalus, 2053.
sayi (Van D.), Thyreocoris, 42.
sayi (S. & G.), Tibicen, 1475.
scaber O. & B., Eutettix, 2189*a*.
scabra Abb., Arctocorixa, p. 483.
scabrosus (Uhl.), Crophius, 525.
scabrosus Mlch., Flatoides, 2669.
scabrosus (Uhl.), Sixeonotus, 1077.
scalaris (Fairm.), Heliria, 1623.
scalaris Van D., Scaphoideus, 1988.
scarlatina Fh., Gypona, 1923.
schach (Fabr.), Monecphora, 1544.
schaefferi (Barb.), Odmalea, 200.
schaefferi, Davis, Okanagana, 1521.
schaefferi Schout., Pachycoris, 4*e*.
schellenbergii Kby., Otiocerus, 2699.
schousboei (Fabr.), Pachycoris, 4*f*.
schwarzi Ashm., Aphalara, 2828.
schwarzii Uhl., Camptobrochys, 1065.
schwarzi Van D., Crophius, 520.
schwarzii Ashm., Enicocephalus, 684.
schwarzi Reut., Pilophorus, 1130.
schwarzii Heid., Proxius, 400.
schwarzii Rly., Rhinopsylla, 2845.
schwarzi Ball, Thamnotettix, 2255.
scitulus Ball, Eutettix, 2182.
scitus Walk., Aethus, 55.
†*scolopax Uhl., Orsillus,* 461.
scolopax (Say), Ortholomus, 462.
scorbutica (Fabr.), Anasa, 306.
scorpio DeG., Cimex, 689.
scotica (Curt.), Saldula, 1336.
scriptus Ball, Platymetopius, 2028.
scrupeus (Say), Paracalacoris, 979.
†*scrupeus Prov., Phytocoris,* 922.
scrupulosa Spångb., Gypona, 1901.
scrupulosa Stål, Teleonemia, 674.
scrupulosus Ball, Scaphoideus, 2006.
scudderi Stål, Geocoris, 501.
sculptoconus Crawf., Neotriozella, 2879.
sculptus (Fairm.), Cyrtolobus, 1675.
scurra (Germ.), Idiocerus, 1793.
scurrilis Van D., Argyrocoris, 1197.
scutatus (Stål), Corizus, 350.
scutellaris Walk., Bodetria, 208.
scutellaris (Gill.), Erythroneura, 2445*h*.
scutellaris (Reut.), Neoborus, 1041*d*.
scutellaris Fieb., Notonecta, 1352.
scutellaris Kirk., Notonecta, 1348*a*.
scutellata Walk., Proconia, 1846.
scutellatus Van D., Alydus, 325.
scutellatus Van D., Horcias, 1000*a*.
scutellatus Dist., Lygus, 1034.
†*scutellatus Prov., Orthops,* 1041*a*.
scutellatus Uhl., Orthops, 1036.
scutellatus (Uhl.), Pseudoxenetus, 1160.
scutellatus Dall., Rhyparochromus, 550.
scutello-maculatus Goeze, Cimex, 829.
secundarius Uhl., Scolopocerus, 292.
segmentata (Fowl.), Vanduzea, 1712.
segusinus Mull., Deraeocoris, 1071*b*.
†*segusinus Reut., Deraeocoris,* 1071.
selector Stål, Catorhintha, 297.
selector Uhl., Catorhintha, 295.
selectus Fieb., Globiceps, 1161.
selene Kirk., Notonecta, 1352*f*.
sellaris Abb., Corixa, 1464.
sellatus (Guer), Euryophthalmus, 620.
sementinus Ball, Oliarus, 2534.
semi-brunnea Buckt., Stictocephala, 1580.
semicrema (Say), Acutalis, 1602*a*.
†*semicrema Prov., Ceresa,* 1580.
semifascia Walk., Thelia, 1673.
semifasciata Buckt., Argante, 1673.
semifasciata Uhl., Coelidia, 2340.
semiflavus (Linn.), Capsus, 1008*b*.
semiflavus Wolff, Miris, 988.
seminigra (Stål), Liburnia, 2798.
†*seminuda G. & B., Eutettix,* 2182.
seminudus (Say), Eutettix, 2179.
semipullatus Van D., Thamnotettix, 2275.
semiustus Van D., Maurodactylus, 1271.
semivitrea (Prov.), Dictyssa, 2612.
semivittata (Say), Trichopepla, 98.
semivittatum H.S., Pentatoma, 98.
semivittatus Kngt., Lygus, p. 822.
†*senecionis Bak., Nysius,* 472.
senectus Van D., Orthotylus, 1175 1/16
senilis Van D., Reduvius, 734.
senilis (Say), Rhytidolomia, 102.
separata (Uhl.), Saldula, 1329.
separatus (Uhl.), Macrolophus, 1116.
septendecim (Linn.), Tibicina, 1510.
septentrionalis Walk., Aneurus, 413.
septentrionalis Prov., Elidiptera, 2503.
septentrionalis (Spin.), Ormenis, 2656.
septentrionalis Walk., Tettigonia, 1847*a*.
†*7-guttata Ball., Draeculacephala,* 1869.
7-guttata (Walk.), Draeculacephala, 1868.
seriata Abb, Arctocorixa, 1447½.
seriatus (Reut.), Psallus, 1218.
†*sericans Uhl., Coriscus,* 820.
sericans (Stål), Irbisia, 974.
sericans Reut., Nabis, 819.
sericata (Uhl.), Labopidea, 1195.
sericea Stål, Pygolampis, 723.
sericeus Eschs., Halobates, 1300.
†*sericeus Prov., Poeciloscytus,* 1172.
sericeus Uhl., Poeciloscytus, 991.
sericeus Uhl., Psallus, p. 407.
serieventris Uhl., Podisus, 228.
†*serrata P.B., Halys,* 85.

†*serrata Wolff, Halys,* 89.
serratulae Fabr., Cicada, 1934.
serratus (Fabr.), Harmostes, 335.
serripes Oliv., Myodocha, 526.
serrulata (Uhl.), Arctocorixa, 1448.
serrulatus H.S., Spartocera, 277.
servillei Spin., Acanalonia, 2643.
servillei Spin., Issus, 2630.
servillei (Guer.), Orthaea, 550.
servus (Say), Euschistus, 118.
†*seticornis Shrnk, Cimex,* 986.
setigera Osb., Prokelisia, 2715.
setosa Champ., Corythucha, 648½.
setosa (Stål), Orthaea, 553.
setosus Reut., Ceratocapsus, 1140.
setosus Gmel., Cimex, 800.
setosus (Stål), Ligyrocoris, 534.
setosus (Van D.), Tollius, 329.
severini Handl., Phymata, 689*e*.
sexguttata Walk., Cicada, 1501*a*.
6-guttatus (Prov.), Macrotylus, 1200.
sexmaculata Walk., Membracis, 1731.
sexmaculatus G. & B., Deltocephalus, 2069.
sexmaculatus (Barb.), Horcias, 1001.
sex-maculatus Stål, Oncopeltus, 433.
sexnotata (Fall.), Cicadula, 2362.
sexnotata Van D., Empoa, 2430*b*.
6-punctatus Prov., Jassus, 2063.
sexspinosa Wolff, Reduvius, 797.
sexstriatus Gmel., Cimex, 829.
sexvittatus (Van D.), Euscelis, 2153.
shastus (Ball), Euscelis, 2136½.
shermani Heid., Aradus, 377.
shermani Kngt., Lygus, p. 822.
shermani Ball, Thamnotettix, 2302.
shooterii Uhl., Notonecta, 1356.
shoshone Kirk., Eurygaster, 20.
sibericus (Reut.), Nabis, 827*a*.
sibilatrix Berg., Tympanoterpes, 1507.
siccifolius Uhl., Bythoscopus, 1767.
sicula A. & S., Polyglypta, 1715.
siculus Sign., Corizus, 343*a*.
sidae (Fabr.), Corizus, 346.
sideroxyli Rly., Ceropsylla, 2881.
signata (Fieb.), Arctocorixa, 1449.
signata Uhl., Microvelia, 1301.
signata (Reut.), Neoborus, 1041*c*.
signata Ball, Uhleriella, 1964.
signatifrons Van D., Deltocephalus, 2066.
‖*signatus Uhl., Agalliastes,* 1266.
signatus Uhl., Coriscus, 824.
signatus (Dist.), Creontiades, 962.
signatus Mlch., Flatoides, 2668.
signatus Heid., Isometopus, 1275.
signifer Reut., Lygus, 1014*a*.
signifer Reut., Phytocoris, 925*a*.
signifera (Walk.), Pacarina, 1504.
signoreti Stål, Ambrysus, 1378.
signoreti Fh., Aphrophora, 1553.
signoreti Duf., Belostoma, 1392.
signoreti Stål, Bothriocera, 2525.
†*signoreti Van D., Bothriocera,* 2524*a*.
signoreti (Guer.), Cistalia, 607.
signoreti Fh., Ottiocerus, 2695.
signoreti (Guer.), Pentacora, 1316.
silvestri Mtch., Smilia, 1664*d*.
similaris (S. & G.), Tibicen, 1478.
similis Say, Aradus, 371.
similis Stål, Heza, 795.
similis (Walk.), Kolla, 1862.
similis Bark., Perigenes, 544.
similis Lth., Phlepsius, 2235½.
similis Crawf., Stenocranus, 2702.
similis Woodw., Tettigonia, 1855.
similis Crawf., Triosa, 2863.
‖*similis Crawf., Triosa,* 2869.
‖*similis Crawf., Triosa,* 2870.
simplarius O. & B., Athysanus, 2089.
simplex Uhl., Agalliastes, 1259.
simplex Uhl., Aneurus, 415.
simplex Uhl., Aphelonema, 2594.
simplex Van D., Cyrtolobus, 1689.
simplex Van D., Deltocephalus, 2089.
simplex (Reut.), Engytatus, 1113.
simplex (Uhl.), Labopidea, 1193.
simplex (Uhl.), Neuroctenus, 408.
simplex (Germ.), Thionia, 2631.
simplicia Dist., Pundaluoya, 2738.
simplicicornis Strob, Calocoris, 986.
simplicipes Uhl., Ploiaria, 702.
simulans Uhl., Aulacostethus, 11.
simulans Heid., Leptodictya, 663.
simulans Stål, Phymata, 690.
simulans Slngl., Psylla, 2922.
singula Walk., Jerala, 2700.
†*sinuata Fh., Entilia,* 1716.
†*sinuata Buckt., Entylia,* 1716*a*.
sinuata (Fabr.), Entylia, 1718.
sinuata (Crawf.), Psyllia, 2915.
sinuata Fowl., Telamona, 1649.
†*sinuatus Guer., Alydus,* 318.
sinuatus H.S., Alydus, 317.
sipolisii Fallou, Rasahus, 749.
slossoni Van D., Cicadula, 2368.
slossoni Ball, Deltocephalus, 2038.
slossoni Van D., Elidiptera, 2502.
slossoni Van D., Eutettix, 2168.
slossoni Van D., Ischnodemus, 493.
slossoni Ball, Liburnia, 2759.
slossoni Barb., Ligyrocoris, 535.
slossoni Ball, Myndus, 2569.
slossoni Van D., Oliarus, 2537.
slossoni Ball, Phlepsius, 2241.
slossoni Van D., Platymetopius, 2018.
slossoni Osb., Saldoida, 1346.
smaragdula (Fall.), Empoasca, 2395.
smaragdula (Fabr.), Nezara, 178*a*.
†*smaragdula Duf., Pentatoma,* 178.
smithi Van D., Thamnotettix, 2308.
snowi Gill., Empoasca, 2416.
snowi Ball, Eutettix, 2187.
snowi G. & B., Idiocerus, 1797.
snowi Van D., Narnia, 256.
snowi Ball, Oecleus, 2561.
sobrinus Uhl., Hebrus, 811.
sobrius Uhl., Cnemodus, 568.
sobrius (Walk.), Oncopsis, 1825.

socialis (Wht.), Tenagobia, 1415.
socius Stål, Largus, 619.
socius Uhl., Zelus, 774.
sodalicus (Uhl.), Rhyparochromus, 581.
solani Heid., Gargaphia, 658.
solani Heid., Irbisia, 975*a*.
solani Curt., Lygus, 1014.
solida Uhl., Lygaesoma, 442.
solidaginis (Walk.), Phlepsius, 2246.
solus Godg., Tuberculocentrus, 1751.
solutus Montd., Geocoris, 500*b*.
sonans Walk., Cicada, 1507.
sonchi Fstr., Aphalara, 2825.
sonchi Crawf., Hemitrioza, 2883.
sonora Walk., Cicada, 1484.
sonorae G. & B., Thamnotettix, 2275.
sonorana Kirk., Mistharnophantia, 2663.
sonorus Ball, Deltocephalus, 2101.
sordens Gmel., Cimex, 1008.
sordida (Uhl.), Banasa, 186.
sordida Uhl., Lepyronia, 1557.
sordida (Van D.), Macropsis, 1822.
sordidata Uhl., Cicada, 1489.
sordidipennis Stål, Myndus, 2566.
sordidula Stål, Mormidea, 113.
sordidus O. & D., Atheas, p. 818.
sordidus H.S., Cimex, 126.
sordidus Reut., Nabis, 820.
sordidus McAt., Paracalocoris, p. 820.
sordidus (Reut.), Xylocoris, 847.
sordulentus Uhl., Monorachis, 2542.
southwicki (Van D.), Eutettix, 2162.
spangbergi Sign., Pangaeus, 59.
spartii Hrtg., Psylla, 2904.
spartini Osb., Megamelanus, 2713.
sparsus Curt., Acucephalus, 1933.
spathula Rey, Corizus, 343.
spatulatus O. & B., Chlorotettix, 2326.
spatulatus Van D., Phlepsius, 2196.
speciosus Van D., Dichrooscytus, 995½.
speculator Montd., Geocoris, 502*b*.
sphacelata (Uhl.), Saldula, 1334.
spilota Westw., Pentatoma, 118.
spinata O. & D., Corythucha, p. 816.
spiniceps Stål, Anasa, 306.
spinicollis (Champ.), Pselliopus, 782.
spinicrus A. & S., Mozena, 261.
spinicrus Reut., Nabis, 824.
spinifera Crawf., Aphalaroida, 2833.
spinifrons (Say), Amnestus, 67.
spinipes (H.S.), Sinea, 807.
spiniventris Sign., Stenolemus, 701.
spinosa Dall., Arma, 227.
spinosa Dug., Corythucha, 648¼.
spinosissima Kol., Pygolampis, 720.
spinosula Stål, Fitchia, 790.
spinosus (Say), Jalysus, 421.
spirans Fabr., Cimex, 178*a*.
†*spirans Dall., Rhaphigaster,* 180.
spissicornis Fabr., Cimex, p. 823.
spissipes (Say), Apiomerus, 765.
splendida Gill., Empoasca, 2400.
splendidus (Uhl.), Perillus, 215.
sponsa Guer., Neurotmeta, 2577.
sponsalis Geoff., Cimex, 829.
spreta Zett., Cicadula, 2370.
spreta Godg., Telamona, 1647*a*.
†*spumarius Fall., Cercopis,* 1560*a*.
spurca Stål, Pygolampis, 722.
spurculus Stål, Euschistus, 130.
spurcus Stål, Capaneus, 268.
spurcus Uhl., Scolops, 2468.
squalus Burm., Archimerus, 271.
stagnalis (Leach), Arctocorixa, 1450.
stagnalis Burm., Velia, 1313.
†*stagnalis Uhl., Velia,* 1314.
stalii Sign., Conorhinus, 742.
stalii Reut., Ilnacora, 1184.
stalii (Reut.), Lyctocoris, 843.
stallii Uhl., Pachycoris, 4*d*.
steinegeri (Ashm.), Liburnia, 2784.
stellaris Ball, Phlepsius, 2219½.
stellata (Curt.), Chiloxanthus, 1319.
stenolabis Löw, Psylla, 2923½.
stigmatica (Fieb.), Arctocorixa, 1451.
stigmatus (Say), Cixius, 2549.
†*stigmatus Uhl., Cixius,* 2545.
stigmosa (Uhl.), Europiella, 1252.
stimulatrix Emns., Sinea, 797.
stimulea Van D., Ceresa, 1575.
stolatus Ball, Chlorotettix, 2338.
stolida Fairm., Membracis, 1731.
stollii Kby., Otiocerus, 2690.
†*stollii H.S., Zaitha,* 1404.
straminea (Osb.), Mesamia, 1973.
stamineus Walk., Capsus, 985.
stramineus S. & D., Thamnotettix, 2305½.
stria Latr., Acanthia, 1332.
†*stria Smith, Sirthenea,* 750.
striata (Linn.), Arctocorixa, 1452.
striata Fabr., Cercopis, 1933.
striata Fabr., Fulgora, 2766.
striata Burm., Gypona, 1904.
striata (Ptch.), Psyllia, 2930.
striata Walk., Tettigonia, 1847.
striatella Fabr., Cercopis, 1933.
striatipes (Hald.), Okanagana, 1526.
†*striatulus O. & B., Athysanus,* 2146.
striatulus (Fall.), Euscelis, 2144.
striatus Kngt., Lygus, p. 821.
strictus Ball, Eutettix, 2177.
strigata Uhl., Lopidea, p. 385.
strigipes (H.S.), Mineus, 221.
strigosus Uhl., Nysius, 472.
strigulatus (Walk.), Camptobrochys, 1059.
striola Fieb., Idiocerus, 1803.
striola Fieb., Plea, 1365.
striolus (Fall.), Euscelis, 2132.
strobi (Fh.), Eutettix, 2181.
strombergi Godg., Carynota, 1609.
strombergi Godg., Heliria, 1625.
stupida (Walk.), Carynota, 1611.
stygialis M. & R., Capsus, p. 825.

stygica Say, Nerthra, 1411.
stygica Ball, Uhleriella, 1963.
†*stygicus Uhl., Mononyx,* 1410.
stygicus (Say), Strongylocoris, 1123.
stylatus Ball, Deltocephalus, 2049.
stylifera Ptch., Trioza, 2873.
suaedae Crawf., Aphalara, 2821.
suavis (Reut.), Chlamydatus, 1259.
suavis Reut., Pallacocoris, 1007.
subaeneus (Van D.), Eutettix, 2163.
subarmatus H.S., Harpactor, 797.
†*subbifasciatus Prov., Idiocerus,* 1795.
subbifasciatus Say, Jassus, 2340.
subcoleoptratus Kby., Nabis, 818.
subcupraeus (Prov.), Thamnotettix, 2252.
subfalcata Van D., Telamona, 1643.
†*subferrugineus G. & B., Amnestus,* 68.
subfuscus Kngt., Lygus, p. 822.
subglaber (Walk.), Geotomus, 66.
subgranulata Fstr., Psylla, 2923¼.
subinermis (Stål), Castolus, 784.
subinermis Stål, Stenopoda, 727.
submarginatus (Say), Orthotylus, 1178.
subnitens S. & D., Idiocerus, 1781½.
subnitida Uhl., Tuponia, 1257.
subnitidulus Reut., Phytocoris, 936.
subpiceus Stål, Apiomerus, 759.
subrufescens (Walk.), Banasa, 183.
subrufus Dist., Harmostes, 337.
subrugosus Stål, Chlorocoris, 167.
subrusticus (Fall.), Acucephalus, 1936*c*.
subsericea Westw., Pentatoma, 178*a*.
subspinosa Duf., Zaitha, 1395.
substriata (Walk.), Stitocephala, 1590.
†*subulata Prov., Ceresa,* 1577.
subulatus (Say), Stictolobus, 1601.
subvittatus Stål, Darmistus, 313.
succinea Van D., Catonia, 2521½.
succinctus var. *a Say, Capsus,* 615.
succinctus (Linn.), Euryophthalmus, 617.
†*succinctus Osb., Largus,* 616.
suffusa Osb., Cicadula, 2360.
sulcata Crawf., Trioza, 2863*a*.
sulcatus Uhl., Buenoa, 1289.
†*sulcifrons Thoms., Capsus,* 1017.
†*sulcifrons D. & S., Lygus,* 1015.
sulcifrons Stål, Neottiglossa, 147.
sulcipes (Say), Scolops, 2466.
sulphurella Leth., Anomia, 2436.
sulphureus Reut., Psallus, 1217.
superba (Fh.), Tibicen, 1490.
superba Walk., Vulsirea, 176.
superbus (Uhl.), Adelphocoris, 967.
superbus Van D., Phlepsius, 2199.
superbus (Prov.), Xestocephalus, 1941.
superiorensis Kngt., Lygus, p. 821.
suspectus Reut., Dichrooscytus, 996.
sutilis (Uhl.), Arctocorixa, 1453.
suturalis Mlch., Bruchomorpha, 2586.
suturalis DeL., Chlorotettix, 2327½.
suturalis (Fabr.), Cimex, 632.
suturalis Curt., Delphax, 2766.
suturalis Fh., Idiocerus, 1779.
suturalis (O. & B.), Macropsis, 1811.
suturellus (H.S.), Dysdercus, 633.
†*sylvaticus Pans., Lygaeus,* 589.
sylvestris O. & B., Deltocephalus, 2083.
†*sylvestris Osh., Ligyrocoris,* 537.
†*sylvestris Stål, Ligyrocoris,* 538.
sylvicola Lthy., Psylla, 2923.
symphoricarpae (Ball), Euscelis, 2141.
synodica (Say), Okanagana, 1529.

tibida (Stål), Acholla, 799.
†*tabida Bueno, Cymodema,* 484.
†*tabida (Uhl.), Cymodema,* 487.
†*tabida Banks, Monanthia,* 662.
tabida Spin., Monopsis, 2578.
†*tabidus Prov., Cymus,* 485.
tabulata (Burm.), Chelinidea, 287.
tacta Walk., Thelia, 1584.
taeniola (Dall.), Pentatoma, 162.
taeniola (Dall.), Zicca, 308.
tahoensis Kngt., Lygus, p. 821.
†*tanaceti H.S., Capsus,* 1208.
tardus H.S., Anthocoris, 871.
tarsalis (Fieb.), Arctocorixa, 1454.
tarsalis Dall., Coenus, 139.
tarsalis (Reut.), Trigonotylus, 893.
tarsatus (Fabr.), Hyalymenus, 317.
tartarea (Say), Acutalis, 1602.
tau Voll., Vulsirea, 176*a*.
taurina Fh., Ceresa, 1576.
taurus (Fabr.), Repipta, 786.
teapae Fowl., Liburnia, 2797.
teliformis (Walk.), Graphocephala, 1864*a*.
temnostethoides Reut., Asthenidea, 852.
tenebrosa Walk., Brochymena, 87.
tenebrosa Say, Pentatoma, 138.
tenebrosa Walk., Proconia, 1846.
tenebrosus (Dist.), Sixeonotus, 1075.
tenebrosus (Dist.), Gypona, 1912.
tenella Walk., Tettigonia, 1859.
tenellus (Bak.), Eutettix, 2178.
tenellus Van D., Lygus, 1019.
tenerrima (H.S.), Empoa, 2435.
tennessa DeL., Phlepsius, 2235½.
tenuicornis Champ., Aneurus, 418.
tenuicornis Say, Cylapus, 1090.
tenuipes Mnrt., Rheumatobates, 1298.
tenuis Walk., Aethus, 60.
tenuis (Reut.), Engytatus, 1115.
tenuis Reut., Trigonotylus, 892.
terebrans (G. & B.), Nephotettix, 2124.
tergatus Fh., Chlorotettix, 2327.
terminalis (Dall.), Acanthocephala, 242.
terminalis Dall., Anasa, 307.

†*tessellata Gill., Empoasca,* 2417.
tessellatus Van D., Xestocephalus, 1942.
testacea Fh., Clastoptera, 1562*b*.
testacea Van D., Leioscyta, 1737*a*.
testaceum (Leidy), Belostoma, 1401.
testudinarius Burm., Jassus, 2228.
testudinatus (Uhl.), Aethus, 48.
testudo Curt., Aphrodes, 1936.
teter (Spin.), Cyrtomenus, 43.
tetra Walk., Mormidea, 114.
tetrastigma H.S., Capsus, 979.
texana Stål, Catorhintha, 298.
texana Barb., Esperanza, 315.
texana Crawf., Heteropsylla, 2838.
texana Banks, Ploiaria, 703.
texana (Davis), Tibicen, 1489½.
texanus (O. & B.), Euscelis, 2154.
texanus Ball, Eutettix, 2193.
texanus Bak., Phlepsius, 2233.
thanatophana Kirk., Poblicia, 2461.
thesigus Kol., Nabis, 827.
thomasii Uhl., Metapodius, 239.
thomsonii Stål, Acalypta, 637.
thomsoni Put., Corixa, 1450.
thomsoni Reut., Scolopostethus, 610.
thoracicus Guer., Holotus, 2700.
thoracicus Van D., Horcias, 1000*g*.
thoracicus Dall., Metapodius, 237.
thoracicus Stål, Rasahus, 748.
thymi (Wolff), Nysius, 468.
tibialis H.S., Anisoscelis, 248.
†*tibialis Uhl., Corimelaena,* 37.
tibialis H.S., Crinocerus, 276.
tibialis (Fabr.), Oplomus, 212*e*.
tibialis Van D., Orthotylus, 1169½.
tibialis Reut., Phytocoris, 952.
†*tibicen Germ., Cicada,* 1473.
tigrinus Ball, Phlepsius, 2208.
tinctus Uhl., Calocoris, 987.
tiliae (Walsh), Gargaphia, 654.
tiliae Kngt., Lygus, p. 822.
tinealis Burm., Bothriocera, 2524.
tipuloides (DeG.), Leptocorisa, 316.
titusi Ball, Thamnotettix, 2287.
tomentosus Vill., Cimex, 988.
torpida Walk., Phimodera, 23.
torquata (Fabr.), Nezara, 178*b*.
torrida Reut., Phimodera, 22.
torridus (Scop.), Pachycoris, 4.
torridus Lthr., Phelpsius, 2231½.
torridus Ball, Platymetopius, 2030*a*.
torva Fh., Entylia, 1716*a*.
townsendi (Uhl.), Tibicen, 1471.
translucens Tuck., Orthotylus, 1174.
transversa Fabr., Cercopis, 1933.
transversa Van D., Dictyssa, 2609.
transversa Van D., Loxophora, 2497.
transversa (Walk.), Tibicen, 1482.
transversalis Geof., Cicada, 1934.
transversalis Fabr., Cimex, 1036.
transversalis Mlch., Thionia, 2633.
§*transversus Thoms., Capsus,* 1036.
transversus Thunb., Cimex, 178*b*.
tredecim (Riley), Tibicina, 1510.
13-punctata Ball, Pagaronia, 1882.
triangulata Davis, Okanagana, 1527.
tricarinata (Say), Stobaera, 2751.
tricarinata Prov., Embolonia, 2583.
tricincta Fh., Erythroneura, 2441.
tricolor Fabr., Cimex, 1071*b*.
tricolor Van D., Dicraneura, 2391.
tricolor (Van D.), Neoborus, 1043.
tricornis Schrnk., Dictyonota, p. 814.
tridentata Ptch., Pachypsylla, 2886.
trifasciata Gill., Empoasca, 2394.
trifasciata (Say), Erythroneura, 2440.
triguttata (Burm.), Vanduzea, 1710.
triguttatus (Guer.), Heraeus, 527.
trilineata (Prov.), Arctocorixa, 1455.
trilineata Kby., Neottiglossa, 146.
trilineatus Say, Membracis, 1695.
trilineatus Ball, Platymetopius, 2017½.
trimaculata (Fh.), Macropsis, 1821.
†*trimaculata Van D., Pediopsis,* 1819.
trimaculata (Crawf.), Psyllia, 2938.
trinotata Barb., Ozophora, 572.
triops Gmel., Cimex, 829.
triops McAt., Paracalocoris, p. 820.
triozomina Schw., Calophya, 2843.
tripartita Walk., Darnis, 1613.
tripligatus Barb., Lygaeus, 447.
tripuncta Rly., Psylla, 2867.
tripunctata (Dall.), Lygaeosoma, 460½.
tripunctata Ball, Neocoelidia, 2351.
tripunctata (Fh.), Pagaronia, 1883.
tripunctata (Fh.), Trioza, 2867.
tripunctatus Mull., Cimex, 829.
3-punctigera Westw., Pentatoma, 178*a*.
tripustulatus (Fabr.), Oplomus, 212.
triquetra (Fabr.), Homalodisca, 1848.
trispinosum Reut., Stenodema, 882.
tristicolor White, Triphleps, 865.
tristigmus (Say), Euschistus, 125.
tristigmus H.S., Pentatoma, 125.
tristis (DeG.), Anasa, 301.
tristis Stål, Bruchomorpha, 2588.
tristis Van D., Clastoptera, 1562*c*.
tristis Ball, Eutettix, 2165.
tristis (Stål), Isthmocoris, 508.
tristis Uhl., Macraulax, 3.
tristis (Van D.), Macropsis, 1823.
tristis Uhl., Macrotylus, 1204.
tristis Van D., Okanagana, 1515.
tristis Van D., Peribalus, 95.
tristis Van D., Peritrechus, 587.
tristis Fh., Telamona, 1647.
triunata Ball, Neocoelidia, 2352½.
triunata Ball, Pagaronia, 1882*a*.
triupsilon Walk., Cicada, 1507.
trivialis (Ball), Macropsis, 1813.
trivittata Prov., Corixa, 1455.
trivittatus H.S., Asopus, 220.
trivittatus (Say), Leptocoris, 356.
tropicalis (Dist.), Phlegyas, 512.
tropicus Dist., Scolopstethus, 613.

truculentus Stål, Lygaeus, 438.
trulliger Bergr., Rheumatobates, 1298½.
truncaticollis Costa, Dictyonota, p. 815.
truncatipennis Boh., Delphax, 2717.
truncata (Van D.), Clidophleps, 1536*a*.
truncatus Ramb., Corizus, 343.
truncatus (Bak.), Oncopsis, 1827.
truncatus Van D., Phlepsius, 2231.
trux Snow, Lygaeus, 435.
tuberculata Coq., Bolbonata, 1742.
tuberculata (Fairm.), Lophopelta, 1730.
tuberculata Bak., Paracoelidia, 2353.
tuberculata Banks, Ploiariola, 698.
tuberculatus Hambl., Corizus, 353.
tuberculifer Kby., Aradus, 382.
†*tuberculifer Uhl., Aradus,* 383.
tuberosus (Fairm.), Cyrtolobus, 1673.
tubus Ball, Phlepsius, 2224.
tuckeri Van D., Liburnia, 2778.
tuckeri (Popp.), Psallus, 1220.
tullahomi DeL., Phlepsius, 2230½.
tumida (Uhl.), Arctocorixa, 1456.
tumida Gill., Empoasca, 2420.
tumidifrons G. & B., Neocoelidia, 2343.
tumidula Stål, Gnathobleda, 725.
tumidus (Walk.), Cyrtolobus, 1699.
tunicarubra (Gill.), Erythroneura, 2442.
tunicatus Ball, Chlorotettix, 2335.
turbida Godg., Ceresa, 1580.
turcicus Fabr., Lygaeus, 434.
†*turcicus Prov., Lygaeus,* 437.
turpiculus Ball, Phelpsius, 2227.
turriculatus (Emns.), Glossonotus, 1618.
turritella Buckt., Telamona, 1653.
twiningi Uhl., Jassus, 1975.
†*twiningi Van D., Paramesus,* 1972.
typhaeus (Fabr.), Merocoris, 236.
typhlocyboides G. & B., Empoasca, 2414*a*.
typhoeus Fabr., Cimex., 117.
tyrannus (Fabr.), Capsus, 1008*a*.

uhleri Van D., Agallia, 1768.
uhleri Van D., Amalopota, 2681.
uhleri Stål, Anasa, 302.
uhleri Banks, Barce, 714.
uhleri Bak., Bathysmatophorus, 1886.
uhleri Van D., Calocoris, 987.
uhleri Ball, Cenchrea, 2678.
uhleri Stål, Chlorochroa, 106.
uhleri (Ball), Cicadella, 1854*b*.
uhleri Montd., Cosmopepla, 150.
uhleri (Ball), Euscelis, 2138.
uhleri Sign., Geotomus, 64.
uhleri Giard., Halticus, 1122.
uhleri (Montd.), Lethocerus, 1391.
uhleri Stål, Lygaeus, 443.
uhleri Handl., Macrocephalus, 696.
uhleri Kirk., Notonecta, 1350.
uhleri Bak., Ortholomus, 456.
uhleri Sign., Pangaeus, 57.
uhleri Van D., Phlepsius, 2212.
uhleri Van D., Poeciloscytus, 990.
uhleri Dist., Scolopocerus, 294.
uhleri Ball, Scolops, 2471.
uhleri Stål, Thelia, 1616.
uhleri (Reut.), Trigonotylus, 894.
uhlerianus Kirk., Chlamydatus, 1266.
ulicis Fstr., Aphalara, 2815.
ulicis Curt., Psylla, 2904.
uliginosus (Say), Geocoris, 502.
ullrichi Fieb., Triphleps, 863.
ulmi O. & D., Corythucha, 638¼.
ulmi (Linn.), Empoa, 2433.
ultranubilus Kngt., Lygus, p. 821.
umbonatus Berg., Macroscytus, 44.
umbraticus Ball, Thamnotettix, 2321.
umbrina Reut., Europiella, 1255.
umbrinus Rey, Corizus, 345*d*.
umbrinus Fieb., Sciocoris, 79.
umbrosus (Dist.), Aphanus, 594.
umbrosus S. & D., Phlepsius, 2223½.
umbellatarum Scop., Cimex, 1031.
uncinata Van D., Okanagana, 1531.
uncinatus Gmel., Cimex, 749.
undata (Fabr.), Bothriocera, 2526.
undata (Say), Neottiglossa, 145.
undata (Fabr.), Oncometopia, 1846.
undulata Heid., Gargaphia, p. 218.
undulata Say, Notonecta, 1352.
†*undulata Champ., Sinea,* 802.
undulata Uhl., Sinea, 801.
ungae Ashm., Cicadula, 2367.
unica (Prov.), Empoasca, 2400.
unicolor Curt., Acucephalus, 1933.
†*unicolor Bak., Chlorotettix,* 2331.
unicolor (Fh.), Chlorotettix, 2324.
unicolor Fowl., Clastoptera, 1568.
unicolor Gill., Empoasca, 2397.
unicolor Stål, Gypona, 1908.
unicolor Osb., Idiocerus, 1778.
unicolor Heid., Isometopus, 1276.
unicolor (Walk.), Liburnia, 2802.
unicolor Prov., Lygus, 1172.
unicolor Fieb., Notonecta, 1352.
unicolor H.S., Notonecta, 1348.
†*unicolor Germ., Odontoscelis,* 27.
unicolor Uhl., Ozophora, 575.
unicolor Guer., Petaloma, 243.
unicolor Westw., Pentatoma, 178*a*.
unicolor Flor, Psylla, 2913.
unicolor Osb., Scaphoideus, 1985.
unicolor Fh., Telamona, 1651.
unicoloratus G. & B., Deltocephalus, 2080.
unicolorous O. & B., Deltocephalus, 2080.
unifasciata Guer., Notonecta, 1355.
†*unifasciatus* var. *H.S., Oncopeltus,* 431.
unifasciatus (Fabr.), Poeciloscytus, 988.
uniformis Heid., Aradus, 384.

uniformis Fairm., Ceresa, 1585.
uniformis (Uhl.), Chlamydatus, 1261.
uniformis Stål, Melanorhopala, 669.
uniformis Van D., Orthotylus, 1173½.
†*uniformis Guer., Stictocephala,* 1593.
uniformis Stål, *Stictocephala,* 1592.
unipuncta Gill., Dicraneura, 2385.
unipunctata Prov., *Delphax,* 2701.
†*univittata Fh., Thelia,* 1620.
univittatus (Harr.), Glossonotus, 1619.
univittatus Kngt., Lygus, p. 822.
unum Ball, Hysteropterum, 2598.
unus (Say), Drymus, 598.
urinus Smith, *Alydus,* 323.
ursinus Van D., Pycnocoris, 977.
ursinus Ball, Thamnotettix, 2295.
urticae (Linn.), Trioza, 2862.
ustulata Uhl., Tylana, 2601.
ustulatus Uhl., Lygus, p. 348.
ustulatus (Fall.), Philaenus, 1560*b*.
utahnus Ball, Phlepsius, 2207.
uvidus (Dist.), Reuteroscopus, 1213*a*.

vaccini (Van D.), Parthenicus, 1199.
†*vaccinii O. & B., Athysanus,* 2144.
vaccinii (Van D.), Euscelis, 2145.
vacunus Crmb., Chlorotettix, 2325.
vaga Wall., Corisa, 1441.
vagans Fabr., Cimex, 829.
†*vagans Say, Miris,* 883.
vagata Uhl., Salda, 1317.
vagus Ball, Idiocerus, 1779*c*.
valida Reut., Halticotoma, 1073.
validus Reut., Camptobrochys, 1060.
validus Uhl., Corizus, 347.
validus Reut., Phytocoris, 939.
valvata (Uhl.), Cacama, 1499.
vapidus Ball, Thamnotettix, 2293.
vanduzei Heid., Aradus, 364.
vanduzeei (Crawf.), Liburnia, 2787.
vanduzeei Kngt., Lygus, p. 821.
vanduzeei (Kirk.), Nabis, 827*b*.
vanduzeei Dist., Okanagana, 1522.
vanduzei Bak., *Chlorotettix,* 2321.
vanduzei (Ball), Cyclokara, 2671.
vanduzei G. & B., Deltocephalus, 2100.
vanduzei O. & B., Dorycephalus, 1948.
vanduzei G. & B., *Eutettix,* 2357.
vanduzei Ball, Phlepsius, 2218.
vanduzei Reut., Phytocoris, 956.
vanduzei Ball, Scolops, 2474.
vanduzei (Gill.), Typhlocyba, 2427.
vanduzeii Uhl., Rhinocapsus, 1228.
vanduzii (Godg.), Cyrtolobus, 1674.
vandykei Van D., Okanagana, 1524.
varia Van D., Idioderma, 1708.
varia Walk., Thopha, 1498.
variabilis (Fall.), Apocremnus, 1244.
variabilis Vill., Cimex, 178.
variabilis Fieb., Notonecta, 1351.
†*variabilis Guer., Notonecta,* 1352.
variabilis (Fh.), Oncopsis, 1824.
varians Stål, Banasa, 183.
varians Dist., Engytatus, 1112.
varians Stål, Largus, 615.
varians Crawf., Trioza, 2871.
variata Uhl., Agallia, p. 574.
variata (Fall.), Cicadula, 2358.
varicolor (Westw.), Murgantia, 173.
varicolor (Fabr.), Oncopeltus, 428.
variegata Wall., Corisa, 1433.
variegata Van D., Elidiptera, 2505.
variegata Kby., Pentatoma, 218.
variegata Prov., Salda, 1318.
variegata Champ., Teleonemia, 672.
variegata (Fabr.), Tibicen, 1476.
variegata (Drury), Triatoma, 736.
variegatus H.S., Asopus, 207*a*.
variegatus Prov., Bythoscopus, 1824.
variegatus Sign., Corizus, 343.
variegatus (Guer.), Gelastocoris, 1409.
variegatus Van D., Homaemus, 18.
variegatus Spnr., Pissonotus, 2729.
variicollis Rey, Liburnia, 2766*c*.
variolarius (P.B.), Euschistus, 126.
varipes Fallou, Lestomerus, 749.
varipes H.S., Zelus, 788.
varius Godg., Cyrtolobus, 1678.
varius McAt., Paracalocoris, p. 820.
varus (Ball), Euscelis, 2137.
vastulus Ball, Thamnotettix, 2288.
vau (Say), Cyrtolobus, 1678.
vau Van D., Phytocoris, 943.
veaziei Ptch., Aphalara, 2822.
venaticus Uhl., Poecilloscytus, 995.
venatorium (Van D.), Cimatlan, 1050.
venditarius Ball, Thamnotettix, 2309.
venosa Walk., Enchenopa, 1734.
venosa (Uhl.), Proarna, 1503.
venosus Osb., Athysanus, 2134.
venosus (Fabr.), Hypselonotus, 310*a*.
ventralis Sign., Corizus, 346*a*.
ventralis (Say), Rhynocoris, 777.
venusta Champ., Dolichocysta, 650.
venusta Mlch., Ormenis, 2653.
venusta O.-S., Pachypsylla, 2886.
vera Godg., Carynota, 1612.
verbasci (Mey.), Campylomma, 1267.
verecundus Van D., Platymetopius, 2027.
vermiculosus Crawf., Euphalerus, 2900.
vernalis Mne., Amycle, 2453.
vernalis Fh., Livia, 2812.
vernalis Fh., Typhlocyba, 2370.
verrucosus Ball, Idiocerus, 1788.
versuta (Say), Graphocephala, 1865.
verticalis Fieb., Corixa, 1467.
verticalis Stål, Gypona, 1905.
verticalis (Uhl.), Pseudopsallus, 1191.
†*verticis Prov., Idiocerus,* 1796.
verticis (Say), Idiocerus, 1782.
vescus Ball, Thamnotettix, 2286*a*.
vespertinus Ball, Thamnotettix, 2289.
vestita Prov., Helicoptera, 2499.
vestita Godg., Vanduzea, 1710.
vestitus Uhl., Dicyphus, 1110.

vestitus (Uhl.), Macrotyloides, 1196.
vetulus Ball, Thamnotettix, 2286*b*.
v-flavum Goeze, Cimex, 879.
viburni Kngt., Lygus, p. 822.
vicaria Walk., Pentatoma, 178*b*.
vicaria Walk., Penthimia, 1894.
†*vicarius Prov., Coriscus*, 323.
†*vicarius Van D., Coriscus*, 826.
vicarius Horv., Emblethis, 597.
vicarius Reut., Nabis, 825.
vicarius Horv., Oeciacus, 838.
vicarius (Walk.), Oliarus, 2530.
vicarius (Reut.), Xylocoris, 849.
vicilinus Crmb., Deltocephalus, 2084.
vicina (Dall.), Orthaea, 551.
vicina Handl., Phymata, 685.
vicinum (Prov.), Stenodema, 883.
vicinus Champ., Gelastocoris, 1408.
vicinus Dall., Lygaeus, 441.
†*victor H.S., Cimex*, 137.
†*victor Wolff, Cimex*, 138.
victoris M. & R., Rhopalus. 343*a*.
viduus (Voll.), Padaeus, 136.
vigilax Uhl., Neoborops, 1048.
vilis Dist., Compsocerocoris, 952.
villicus (Crmb.), Euscelis, 2159, 2316.
villifer McAt., Leptostyla, p. 817.
villosa Reut., Clivinema, 1087.
villosum Prov., Prionosoma, 156.
villosus Thunbg., Cimex, 733.
vincta (Say), Orthaea, 547.
vinculatus Ball, Deltocephalus, 2067.
vinula Stål, Fidicina, 1505.
vinnulus Crmb., Deltocephalus, 2060.
vinulus Stål, Rhyparochromus, 547.
violacea Westw., Pentatoma, 235.
violacea (Fabr.), Vulsirea, 176.
violaceus Dall., Oplomus, 212*f*.
violaceus (Say), Stiretrus, 207*d*.
violascens (Westw.), Murgantia, 174.
virens (Linn.), Stenodema, 885.
virescens Dall., Harmostes, 336.
virescens Van D., Idioderma, 1707.
virescens A. & S., Loxa, 170.
virescens (Gmel.), Macropsis, 1808.
virescens Fall., Miris, 885.
virescens Blanch., Notonecta, 1352*b*.
virescens Stål, Xerophloea, 1930.
virgulatus Uhl., Deltocephalus, 2157.
viridescens Walk., Aconophora, 1728.
viridescens Fourc., Cimex, 1017.
viridescens Wlsh., Empoasca, 2423.
viridescens (Prov.), Livia, 2812½.
viridescens DeL., Tinobregmus, 2354½.
viridicata Uhl., Lioderma, 100.
viridicata (Walk.), Rhytidolomia, 100.
viridicatus Uhl., Corizus, 344.
viridicatus Uhl., Orthotylus. 1170.
viridifascia (Walk.), Tibicen, 1495.
viridinervis Thoms., Orthotylus, 1175.
viridipennis Dahlb., Phytocoris, 1172.
viridipes Curt., Eupteryx, 2395.
viridipunctata Say, Scutellera, 10.
viridis Ball, Acinopterus, 2249*b*.
viridis Prov., Acopsis, 1874.
†*viridis Prov., Acopsis*, 1874.
viridis Crawf., Aphalara, 2819.
†*viridis Flor, Capsus*, 1015.
viridis (Linn.), Cicadella, 1853.
viridis Weed, Chlorotettix, 2329.
viridis (Emns.), Cyrtolobus, 1670.
viridis Osb., Gnathodus, 2371.
viridis Uhl., Ilnacora, 1183.
viridis (Fall.), Lygus, 1017.
viridis (Fh.), Macropsis, 1809.
viridis Prov., Miris, 890.
viridis Ball, Myndus, 2572.
viridis Van D., Orthotylus, 1175¼.
viridis (Uhl.), Parabolocratus, 1955.
viridis P. B., Pentatoma, 170.
viridis Ball, Scolops, 2476.
viridis Godg., Smilia, 1664*c*.
viridis Ball, Telamona, 1631.
viridis Crawf., Trioza, 2876.
viridis (Fabr.), Xerophloea, 1930.
viridiscutus Kngt., Lygus, p. 821.
viridissimus Wolff, Cimex, 178*a*.
viridius Van D., Chlorotettix, 2329.
viridiusculus Kngt., Lygus, p. 821.
viridula (Linn.), Nezara, 178.
viridula Fstr., Psylla, 2913.
viridulus Panz., Lygaeus, 1031.
viriosus (Ball), Euscelis, 2140.
visalia Ball, Mesamia, 1974*a*.
visalius Ball, Thamnotettix, 2290.
visendus Crmb., Deltocephalus, 2043.
vitellina (Fh.), Mesamia, 1975.
vitifex Fh., Erythroneura, 2445*a*.
vitis (Harr.), Erythroneura, 2445*c*.
vitrata Burm., Hoplophora, 1728.
vitreipennis Rly., Calophya, p. 790.
vitreipennis Fstr., Trioza, 2864.
vitripennis Burm., Cimex, 117.
vitripennis (Say), Hyaliodes, 1106.
vitripennis (Stål), Naethus, 2618.
vitripennis Germ., Tettigonia, 1848.
vitripennis (Say), Tibicen, 1483.
vittata Ball, Clastoptera, 1566*b*.
vittata Ball, Driotura, 2127*a*.
vittata Kirk., Leptocoris, 356.
vittata (Fabr.), Platycotis, 1728.
vittata Buckt., Publilia, 1716.
vittata A. & S., Smilia, 1664.
vittatifrons (Uhl.), Pentagramma, 2807.
vittatus Gmel., Cimex, 1158.
vittatus Dahl., Cyllecoris, 918.
vittatus Reut., Phytocoris, 937.
§*vittatus Uhl., Poecilocapsus*, 1004.
vittatus (Stål), Stenocranus, 2701*a*.
vittatus Van D., Tinobregmus, 2354.
vitticollis Reut., Lygus, 1021.
vittiger Uhl., Chelinidea, 288.
vittinosus Harr., Alydus, 327.
vittipennis Van D., Laccocera, 2745.
vittipennis S. & D., Thamnotettix, 2320½.

vitulus (Fabr.), Ceresa, p. 526.
vivatus Ball., Thamnotettix, 2287*a*.
vividus Crmb., Chlorotettix, 2334.
vividus Uhl., Lygus, 1028.
vulgaris (Fh.), Lamenia, 2672.
vulnerata (Uhl.), Arctocorixa, 1457.
vunerata Fh., Erythroneura, 2448.
vulnerata (Uhl.), Spangbergiella, 1953.

waldanus Ball, Thamnotettix, 2281.
wallengreni (Stål), Arctocorixa, 1458.
walshi Uhl., Pilophorus, 1132.
warioni Leth., Cicadula, 2365.
weedi Van D., Deltocephalus, 2055.
weedi Van D., Liburnia, 2760.
westcotti Godg., Telamona, 1633.
westwoodi Fh., Anotia, 2684.
westwoodi (Stål), Bothriocera, 2524*a*.
whitei Reut., Anthocoris, 857.
wickhami Van D., Jalysus, 421*a*.
wickhami Van D., Stictocephala, 1589.
wilsoni Van D., Narnia, 257.
winnemanna (Davis), Tibicen, 1474*a*.
winnipegensis Kngt., Lygus, p. 821.
winthemi Germ., Cobax, 2690.
wolffi Kby., Otiocerus, 2696.
wolffii Stål, Phymata, 689*b*.
woodworthi Van D., Elidiptera, 2502½.
woodworthi Van D., Gypona, 1916.
wrighti Van D., Eremocoris, 603.

xanthocephala Germ., Clastoptera, 1565.
xanthochila (Fieb.), Saldula, 1331.
xanthomelas Walk., Capsus, 899.
xanthopus Walk., Nabis, 818.

zebra (Stål), Pselliopus, 781.
ziczac Wlsh., Erythroneura, 2445*b*.
ziczac Crmb., Eutettix, 2191.
ziczac Ball, Uhleriella, 1962½.
zimmermanni Fairm., Smilia, 1664*b*.
zimmermannii (Fieb.), Arctocorixa, 1459.
zonata Van D., Laccocera, 2746.
zonatus (Dall.), Leptoglossus, 245.
zopilotensis Dist., Euschistus, 134.
zosterae Fabr., Acanthia, 1320.
†*zosterae A. & S., Salda*, 1341.

Zool.
Insects
V

167919

Author Van Duzee, Edward P

Title Catalogue of the Hemiptera of America north of

University of Toronto
Library

DO NOT
REMOVE
THE
CARD
FROM
THIS
POCKET

Acme Library Card Pocket
Under Pat. "Ref. Index File"
Made by LIBRARY BUREAU